

THIRD EDITION



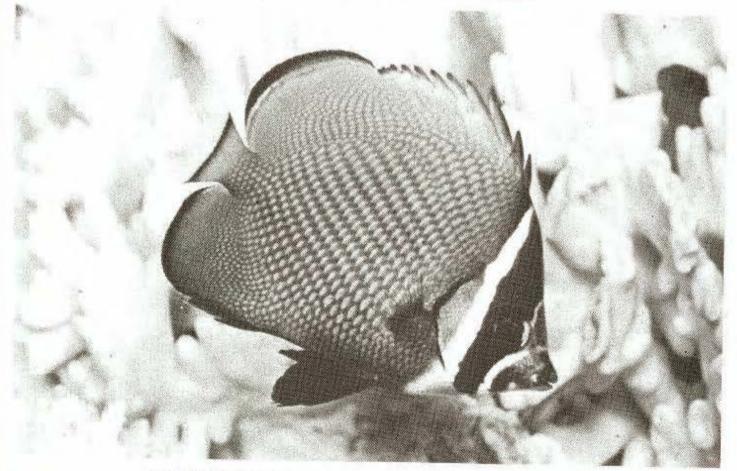
over 4000 fishes illustrated and discussed

Dr. Warren E. Burgess • Dr. Herbert R. Axelrod • Raymond E. Hunziker III

DR. BURGESS'S ATLAS

MARINE AQUARIUM FISHES

Third Edition



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Title page photo of Chaetodon collare by K. Paysan.



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Preface to the Third Edition

As you know, there have been two earlier editions of *Dr. Burgess's Atlas of Marine Aquarium Fishes*, each cast in the same basic mold as regards how the pages—in both the original edition and the supplemental pages that were added to make the second edition—are laid out. In this new edition, we've changed the way the supplemental pages are laid out. Instead of arranging them in the eight-to-the-page format that is now used throughout almost the entire *Atlas*, we have paid attention to the requests of hobbyists who have told us that some of the marine species that are now available are so beautifully colorful (or so odd-looking) that it's a shame to restrict photos of them to the relatively small space that the existing format permits. They've asked us why we don't use bigger photos on the pages added to each new edition, and to be entirely honest we didn't really have any answer other than to say that we've always done it that way.

That's not a very good answer, we know—especially when you consider that T.F.H. Publications has always been in the forefront of changes that result in better ways of doing things. Therefore we're giving up the method we've used traditionally for adding new sections to this book and its companion volume, *Dr. Axelrod's Atlas of Freshwater Aquarium Fishes*, and are using the new photos at a larger size. We are coincidentally changing the format of the captions applied to the new photos in this book to eliminate the symbols and provide the name of the family of each fish right within each caption. Additionally, we're putting the common name for each of the new fishes right within the caption, which for many readers will be a welcome change indeed.

The new pages are at the back of the book on pages 657 through 672, so you won't have any trouble finding them. Additionally, we have indexed them separately from the existing major index, which will make it easier for readers to search for particular species that they know did not appear in the first two editions.

If you get a chance, please let us know whether you approve of the new style for the newly added pages; we'd be glad to hear from you.

INTRODUCTION

This Atlas of Marine Fishes is designed mainly as a pictorial aid for the identification of marine fishes. The thousands of photographs are all that will be needed for most aquarists to identify species that they are keeping in their tanks or that they have seen in their local marine fish store. They will also be able to find for the most part fishes that they are likely to collect along their own shores, including those that occur only in the cooler waters of temperate coasts. Further, many fishes are included that are too big for hobbyists but will be seen in the ever-popular public aquariums where large reef tanks or oceanariums house larger fishes, including sharks. Whenever possible, different aspects of a single species are shown. That is, where juveniles are different from adults or males differ from females, both (or even all three) are shown. Ichthyologists have even been fooled by some species that appear so different as a juvenile or as one or the other sex. This has prompted additional names for fishes that had already been named previously. The name applied to the fishes in these photographs is the name that as far as known is the currently accepted name for the fish and supersedes any name applied to it in our previous publications. The most recent scientific papers and books were used to determine the correct names. However, certain obstacles are always present that prevent identifying some of the species with absolute certainty. First of all, since the fish is represented in a photograph only and not "in the flesh" where some of the diagnostic counts or measurements could be made, educated guesses must be made using what available information there is. This information may be color pattern, geographic locality, or even identifications by a photographer who is knowledgeable in fish systematics and has actually seen the fish itself.

Whenever possible color proofs were sent to experts in the field for identification. Dr. Gerald R. Allen kindly identified members of the family Pomacentridae, Dr. Victor G. Springer did the same for the blennies, Dr. Guido Dingerkus identified the elasmobranchs, Dr. William N. Eschmeyer did the scorpionfishes, Dr. William F. Smith-Vaniz did the carangids and some blennies, and Dr. Douglas Hoese tackled the gobies. Unfortunately, some plates were not available to these experts at the time so these identifications were accomplished to the best of my (W.E.B.) ability and should not reflect on the expertise of these scientists.

The common names applied to these fishes were taken from current scientific literature whenever possible. Unfortunately, in some instances (as also happened in the scientific names) there was disagreement (even by the same author in two papers), so that one or the other name was selected. Space does not permit the inclusion of alternate common names or scientific synonyms.

In keeping with the intent of this book to provide the best means to identify the marine fishes, a section is devoted to presenting an out-

line drawing of a representative of many of the families. As a further aid to aquarists, a short description of the best means of keeping fishes of each family accompanies each drawing. Carrying this one step further, along with the scientific name under each photograph can be seen numerical and pictorial symbols giving a brief account of the species's basic requirements for living, a number indicating the range, and a family number so that each fish can be easily placed in its systematic position. An aquarist recognizing his fish in the photographs can utilize the information in the caption or can refer to the information in the general family care write-ups in the front part of this book. The fishes are presented in systematic order according to Nelson (1984, Fishes of the World, John Wiley & Sons, NY), with the cartilaginous fishes first and the plectognaths last.

The range given is approximate. This is partially due to inadequate knowledge of the true range of certain species as well as the limitations dictated by the space available in this book. For example, a species that is found only in the Hawaiian Islands unfortunately must be indicated as a "6" even though Hawaii encompasses only a small portion of the area covered by that number. On the other hand, when a species infringes only a small distance into the adjoining numbered range only the number for the greater area is given. For example, a Caribbean species that occasionally extends its range along the U.S. coastline to, perhaps, the Carolinas, will be indicated only as a "2".

A map showing the numbered areas appears on page 23.

The symbols are also approximations. Depicting the type of feeding by a single symbol is virtually impossible. An omnivorous fish that is not particular about its diet should be accorded every feeding symbol. But space limitations force us to indicate only the most likely food(s) of a given fish. It should be remembered that a well-balanced

diet is always best.

Like most things, there are sure to be changes, especially in the nomenclature of the fishes. Even so, this book should prove to be the standard for identifying marine aquarium fishes for some time to come.

AQUARISTIC SECTION

This section is provided as an introductory guide to the maintenance of marine fishes in the aquarium. Habits and requirements are given for each family, or in some cases related groups of families. Included are data such as temperament and compatibility, water conditions, relative hardiness, size, aquascape type, and feeding habits. The family listings (names and numbers) are based on the systematic listing by Nelson (1984), which is found on pages 24-25.

For families that have representatives common in the aquarium hobby, a generalized drawing is included to help with identification. Each drawing immediately precedes the corresponding written entry. After narrowing an unidentified fish down to the family level using these drawings, turning to the pictorial section of the book should give you a good chance of identifying it down to the species level. The selection of families illustrated by drawings may seem somewhat arbitrary, but effort was made to include only those that often appear in pet shops or are commonly collected by hobbyists in coastal areas.

Not all of the families listed here are suitable for home aquaria, and the writeups indicate the reasons why—many are simply too large, others too delicate, others too dangerous! In general, fishes that commonly reach an adult size in excess of a foot or so are suitable only for large public aquaria, and information on many of these

species is included for the benefit of such aquaria.

It should be noted that these entries are only generalizations; individual species of some families vary widely with regard to their aquarium care. The butterflyfishes of the family Chaetodontidae are a good example—some species are very hardy, eat almost anything, and are good fishes for the beginner. Others eat only live coral and other hard-to-get items, and these are almost impossible for the average hobbyist to maintain. It is always best to research each individual species, preferably before a specimen is purchased. A good reference for this purpose is *Exotic Marine Fishes* (T.F.H. H-938), as well as much of the scientific literature.

1) MYXINIDAE

Hagfishes. Ravenous predators and scavengers, consuming dead and dying fishes. Usually found in groups. Produce large volumes of mucus that may be troublesome in small systems. Not compatible with any other fishes. Dark tank, cool water.

2) PETROMYZONTIDAE

Lampreys. Parasitic predators on living fishes. Cool, well-oxygenated water. Not compatible with fishes not intended as prey.

4) CHIMAERIDAE

Chimaeras. Cool water, dim light. Foods include benthic invertebrates and fishes. Good aquarium foods include chopped fish, crab, and shrimp. Most are too large for home aquaria, though young specimens are sometimes kept. Compatible with fishes too large to be easy prey.

6) CHLAMYDOSELACHIDAE

Frilled sharks. Dark, cold tank. Foods include benthic invertebrates and fishes. Too large for home aquaria; rarely kept even by public aquaria.

7) HEXANCHIDAE

Sixgill sharks. Dark, cold tank. Sensitive to changes in water conditions. Eat fishes, crabs, shrimp. Will outgrow home aquaria but are unlikely to be seen outside of public aquaria anyway.

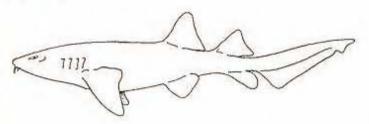
Con Broom

8) HETERODONTIDAE

Horn sharks. Relatively inactive, often resting on the bottom. Provide shaded grottos for shelter. Eat fishes, crustaceans, In captivity will accept live goldfish, chopped clam, shrimp, crab. Peaceful with fishes too large to swallow whole. Spines can cause injury; handle with care.

9) RHINCODONTIDAE

Whale sharks, Peaceful plankton feeders. Too large for any aquarium.



10) ORECTOLOBIDAE

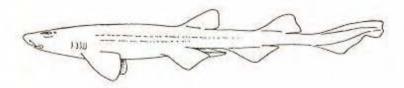
Nurse sharks and relatives. Feed on benthic invertebrates, Good aquarium foods include live goldfish, chopped clam, crab, shrimp. Warm, well-lit tank. Peaceful with fishes too large to swallow, but should not be kept with any invertebrates not intended as food. Active and fast-growing, reaching a large size; large tank necessary. Relatively hardy.

11) ODONTASPIDAE

Sand tiger sharks. Aggressive fish eaters. Large tank needed, only suitable for public aquaria.

12) LAMNIDAE

Mackerel sharks. Pelagic. Very large, often aggressive. Wide variety in diet within this family; various species feed on plankton, fishes, marine mammals. Not suitable for home aquaria and not yet kept with success in public aquaria.



13) SCYLIORHINIDAE

Catsharks. Among the best sharks for home aquaria. Somewhat sensitive to adverse changes in water quality, but otherwise hardy. Many are quite attractive, and many remain moderately small. Goldfish, shrimp or prawn, chopped clam, and beef heart are good foods. Large tanks with caves preferred. Peaceful with most fishes, but may attempt to eat many invertebrates.

14) CARCHARHINIDAE

Requiem sharks. Active, aggressive predators with powerful jaws and sharp teeth. Very sensitive and generally make poor captives, Very large tanks with no sharp corners are required; these sharks swim tirelessly. Will eat live or chopped fish as well as squid, shrimp, crab.

15) SPHYRNIDAE

Hammerhead sharks. Pelagic, extremely poor survival in captivity. Extended head lobes easily damaged. Very sensitive to any change in water conditions. Fish eaters, will also take squid.

16) SQUALIDAE

Dogfish sharks. Fairly hardy in captivity; not terribly prone to disease and not too sensitive to changes in water quality. Venomous dorsal spines in some species; handle with care. Good foods include goldfish or chopped fish, chopped clam, squid, shrimp, crab. Large tanks with no sharp edges and few obstructions. Peaceful with fishes of like size.

19) PRISTIDAE

Sawfishes. Very large, and small specimens are fast-growing, thus generally unsuitable for home aquaria but are often kept in public aquaria. Sensitive; "saw" is easily injured. Fish eaters, will accept chopped fish and squid. Soft substrate needed, as these rays will sometimes bury themselves.

20) TORPEDINIDAE

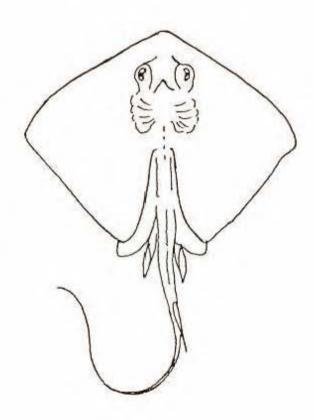
Torpedo rays. Sluggish bottom dwellers and sand burrowers. Not overly sensitive to water quality. Eat small fishes and benthic invertebrates—foods: chopped fish, crab, shrimp, prawn, squid. Electric organs present, which can deliver a startling but sublethal shock.

21) RHINOBATIDAE

Guitarfishes. Inactive rays; need soft substrate for burying. Fairly hardy and not disease-prone. Like dim light. Eat mostly benthic invertebrates; almost any crustacean meat and chopped fish will be accepted. Some rather large—big tanks needed. Peaceful with most other fishes.

22) RAJIDAE

Skates. Bottom dwellers, need soft sand for burying themselves. Eat shellfish and crustaceans; good foods include crab, shrimp, prawn, chopped clam, squid. Peaceful with other fishes. Large tanks necessary—many grow large. Fairly hardy and not too sensitive to changes in water quality.



23) DASYATIDAE

Stingrays. Bottom dwellers, need soft substrate. Most grow very large and require big tanks. Barbed tail spine is dangerous—handle with extreme care. Will eat most meaty foods and will devour any tankmate small enough to swallow.

26) MYLIOBATIDAE

Eagle rays. Pelagic, often schooling. Unsuitable for all but the largest public aquaria. Foods include most shellfish and crustaceans. Warm water, very sensitive to any change in water quality. Venomous tail spines present.

27) MOBULIDAE

Mantas. Huge, plankton-eating pelagic rays. Very peaceful. Very sensitive, not suitable for aquaria.

31) LATIMERIIDAE

Coelacanth. Never kept in aquaria. Dim light preferred. Eats fishes, crustaceans.

43) ELOPIDAE

Ladyfishes. Fast-moving schooling fishes. Large, spacious aquaria needed. Warm water, eat crustaceans and small fishes. Peaceful. Somewhat sensitive in captivity.

44) MEGALOPIDAE

Tarpons. Very active; brightly lit large tanks with no obstructions needed. Eat any fishes small enough to swallow. Hardy and long-lived. Peaceful with fishes of like size. Very large; large tanks needed.

45) ALBULIDAE

Bonefish. Large and spacious aquaria needed. Soft substrate a must; bonefish root about for benthic invertebrates. Foods: shrimp, crab, chopped clam, small live feeder fish. Peaceful, but very nervous and sensitive to the slightest environmental change.

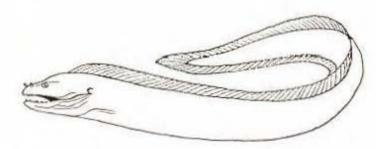


49) ANGUILLIDAE

Eels. Very hardy, not disease prone. Will eat anything remotely edible. Relatively peaceful with fishes too large to swallow. Relish many invertebrates, however. Grow very quickly and will outgrow many home aquaria. Not sensitive to water quality, and can withstand any salinity from freshwater to full marine.

51) MORINGUIDAE

Small, wormlike burrowing eels. Feed mostly on worms and small crustaceans. Delicate; rarely seen in captivity.



54) MURAENIDAE

Moray eels. Large, with powerful jaws and teeth. Can bite; handle with care. Warm water. Hardy, not disease prone. Large tanks needed for most species. Will eat any fishes or crustaceans that can be captured, but generally peaceful with larger fishes. Foods: goldfish, chopped fish, scallops, shrimp, crab, squid. Provide caves and rockwork for shelter.

58) OPHICHTHIDAE

Snake eels. Large but shyer than morays. Many burrow; provide soft sand or fine gravel. Peaceful but may eat small fishes. Primarily crustacean and mollusc eaters. Very hardy.



62) CONGRIDAE

Conger eels. Large, active, aggressive. Provide rockwork for shelter. Mainly fish eaters. Good foods for captives include feeder fish, chopped fish, scallops, clam, shrimp, squid. Large tanks necessary.

69) CLUPEIDAE

Herrings. Active schooling fishes. Keep in large groups in large, spacious tank. Delicate scales and fins easily damaged. Very disease prone. Eat mostly planktonic crustaceans—live brine shrimp is a good substitute for captives. Peaceful.

70) ENGRAULIDAE

Anchovies. Pelagic schooling fishes, need to be kept in large groups in large tanks. Delicate and easily stressed; difficult to keep. Eat planktonic crustaceans; feed live brine shrimp. Peaceful.

72) CHANIDAE

Milkfish. Large and active, do not take well to aquaria. Feed on crustaceans, small fishes, algae.

137) OSMERIDAE

Smelts. Large schools, large tanks. Delicate and disease prone. Will eat small fishes or chopped fish or crustacean meat.

139) SALANGIDAE

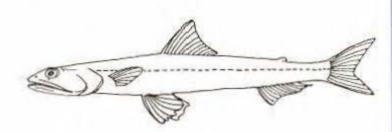
Lancelike smelt allies. Delicate in captivity. Large schools, large tanks. Eat planktonic crustaceans.

144) GONSTOMATIDAE, 147) CHAULINODONTI-DAE, 148) STOMIIDAE, 150) MELANOSTOMIIDAE

Viperfishes, dragonfishes, and allies. Deepsea fishes. Toothy predators. Because of need for darkness, cold, and pressure, never kept in captivity.

153) AULOPIDIDAE

Benthic predators similar to lizardfishes. Will eat all fishes small enough to swallow; may attack larger ones. Also eat crustaceans. Good foods for captives include chopped fish and shrimp. Large tanks necessary for many species.



157) SYNODONTIDAE

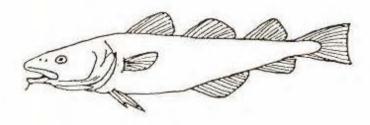
Lizardfishes. Benthic predators, often lie partly buried in soft sand. Very aggressive; will eat most fish and crustaceans. Live fish and shrimp preferred as food—will rarely accept nonliving foods. Very delicate and subject to transport shock—acclimate as gently as possible. Water quality must be excellent.

163) ALEPISAURIDAE

Lancetfishes. Pelagic predators. Rarely kept even in public aquaria and unlikely to adapt to captivity.

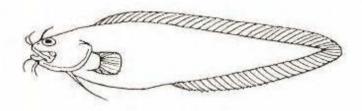
166) MYCTOPHIDAE

Lanternfishes. Bioluminescent midwater fishes; superficially sardine-like. Very delicate; sensitive to water quality and rather disease prone. Plankton feeders—live brine shrimp is a good substitute.



171) MORIDAE, 174) GADIDAE, 176) MACROUR-IDAE

Codfishes and allies. Mostly coldwater, often deepwater, often large. Spacious tanks required. Groups preferred. Foods: fish, crustaceans. Most somewhat delicate but some are kept in public aquaria.



177) OPHIDIIDAE

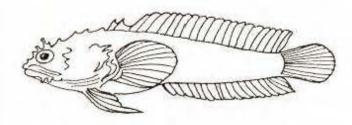
Cusk eels and brotulids. Usually sluggish bottom dwellers. Food mostly benthic invertebrates; feed shrimp, crab, chopped clam, squid. Dim tank with caves and other hollows preferred. Usually peaceful with fishes too large to swallow.

178) CARAPIDAE

Pearlfishes. Inhabit body cavities of sea cucumbers and sometimes molluscs. Emerge to feed on small invertebrates; good foods would be brine shrimp, bloodworms, glassworms. Peaceful but delicate and shy.

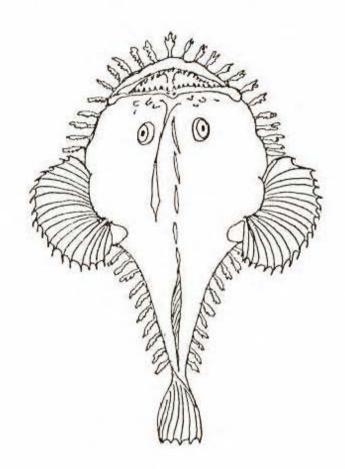
179) BYTHITIDAE

Livebearing brotulas. Benthic; peaceful; fairly hardy, Will eat chopped clam, shrimp, bloodworms, brine shrimp, prepared foods. Dim tank with hollows.



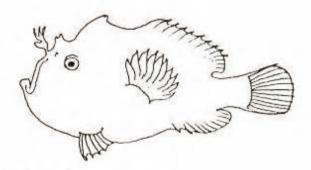
181) BATRACHOIDIDAE

Toadfishes. Big-headed benthic predators; will eat anything that can be swallowed. Large teeth and strong jaws—handle with care. Especially fond of crustaceans and molluscs. Like hollows, but place decor with care, as toadfishes like to dig and may undermine decorations.



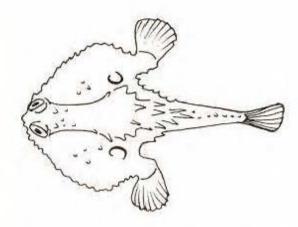
182) LOPHIIDAE

Goosefishes. Large, toothy anglerfishes—handle with care. Will eat anything—no compatible tankmates. Very large. Need soft substrate. Not too sensitive to water quality variations.



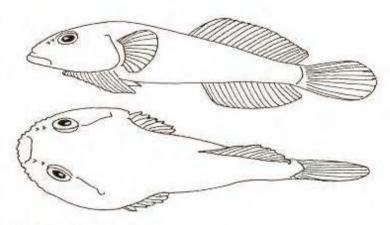
183) ANTENNARIIDAE

Frogrishes. Lethargic benthic anglerfishes that lure and ambush passing fishes. Can swallow prey nearly as large as themselves. Cannibalistic. Hardy, but prone to hunger strikes if overfed. Provide coral ledges for perching.



186) OGCOCEPHALIDAE

Batfishes. Slow moving, benthic. Very peaceful and shy. Food mostly small crustaceans and polychaete worms but also "angle" for small fishes. Many refuse to feed in captivity, but sometimes live brine shrimp or glass shrimp will be accepted. Cannot compete with faster-moving fishes. Dim tank with soft substrate preferred.



198) GOBIESOCIDAE

Clingfishes. Benthic. Very hardy. Very tolerant of water quality changes; very resistant to disease. Generally peaceful, but very small fishes may be eaten. Often become tame. Foods: prawn, brine shrimp, bloodworms, chopped clam, chopped squid.

200) EXOCOETIDAE

Flyingfishes. Not easily confined, but small specimens sometimes adapt to aquaria. Jumpers; keep tank tightly covered. Peaceful, but will eat small fishes. Wide, shallow tank without obstructions. Feed bloodworms, brine shrimp, glassworms, flake foods.

201) HEMIRAMPHIDAE, 202) BELONIDAE

Halfbeaks and needlefishes. Swift surface predators, Good jumpers. Very delicate and prone to capture and transport shock. Elongate bills easily damaged. Very nervous and prone to panic in aquaria. Round tanks with no sharp corners preferable.

213) ATHERINIDAE, 214) ISONIDAE

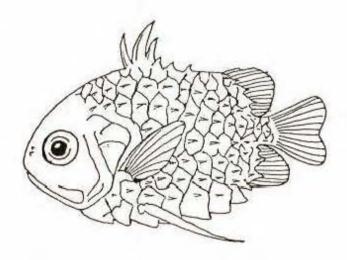
Silversides and relatives. Surface-to-midwater planktivores. Large schools preferred. Large, spacious tanks needed. Very sensitive to any change in water quality. Deciduous scales easily damaged. Very prone to fungus. Easily killed by transport shock. Foods: brine shrimp, bloodworms, glassworms.

218) LAMPRIDIDAE

Opahs. Warmwater, very large. Feed mostly on small fishes. Poorly known.

223) REGALECIDAE

Oarfishes. Elongate, very delicate. Feed on small fishes and planktonic invertebrates. Never kept.

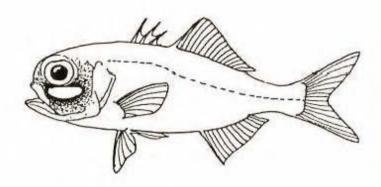


229) MONOCENTRIDIDAE

Pinecone fishes. Warmwater, very slow, peaceful, and shy. Rather sensitive to water quality. Possess bioluminescent organs; prefer dim tank. Feed mostly on small crustaceans, but often refuse to feed in captivity. Try live brine shrimp, live glass shrimp, bloodworms, glassworms.

230) TRACHICHTHYIDAE

Slimeheads. Similar to squirrelfishes; nocturnal predators. Generally peaceful but may eat small fish and crustaceans. Hardy. May be aggressive with conspecifics.

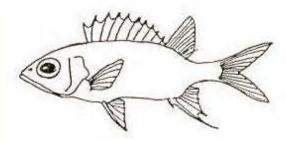


231) ANOMALOPIDAE

Flashlight fishes. Possess bioluminescent organs, dim tank. Prefer to be kept in groups. Not overly sensitive. Feed on small crustaceans, fishes. Peaceful. Feed guppies, brine shrimp, bloodworms, prepared foods.

234) BERYCIDAE

Alfonsinos. Squirrelfish-like. Peaceful but will eat small fishes and crustaceans. Foods: guppies, brine shrimp, prepared foods. Hardy.



235) HOLOCENTRIDAE

Squirreffishes. Generally peaceful, but will eat small fishes and crustaceans. Noctumal; provide shaded hollows. Very hardy and tolerant of water quality variations. Most species school. Some become quite large. Foods: small feeder fishes, chopped clam, prawn, brine shrimp, bloodworms, all prepared foods.

236) POLYMIXIIDAE

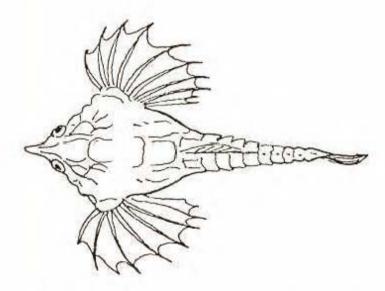
Beardfishes. Generally similar to squirrelfishes in temperament and care

244) MACRUROCYTTIDAE, 245) ZEIDAE, 248) CA-PROIDAE

Dorles, boarfishes, and allies. Rarely seen in aquaria, but are fairly hardy. Many grow quite large. Feed on fishes and crustaceans but are usually peaceful with tankmates too large to swallow.

250) AULORHYNCHIDAE, 251) GASTEROSTEIDAE

Tubesnouts and sticklebacks. Often coolwater fishes. Very easy to keep but are territorial and fight viciously with conspecifics if crowded, Peaceful with other species. Hardy, Very tolerant of salinity variations; many species can stand fresh water. Planted tank. Foods: Brine shrimp, bloodworms, glassworms, prepared foods.



253) PEGASIDAE

Sea moths. Slow-moving bottom fishes. Peaceful, not competitive; do not keep with swifter fishes. Not disease prone, but often difficult to feed. Prefer small living invertebrates; try brine shrimp, bloodworms.

254) AULOSTOMIDAE, 255) FISTULARIDAE

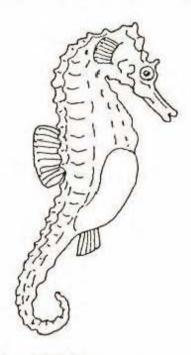
Trumpetfishes and cornetfishes. Generally warmwater. Fairly hardy. Ambush predators. Prefer planted tank for hiding. Eat small fishes, crustaceans; feed guppies, goldfish, prawn.

256) MACRORHAMPHOSIDAE, 257) CENTRISCIDAE

Snipefishes and shrimpfishes. Armored but slow and shy. Do not compete well with other species. Not prone to disease, but sometimes difficult to feed. Eat mostly small invertebrates; try live brine shrimp, bloodworms, glassworms.

258) SOLENOSTOMIDAE

Ghost pipefishes. Habits and care same as family Syngnathidae.

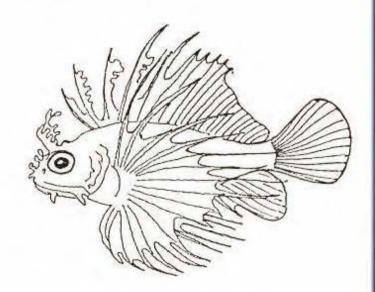


259) SYNGNATHIDAE

Seahorses and pipelishes. Very slow and shy—do not keep with competitive species. Have bred in aquaria. Branched corals, sea fans, plants needed for shelter or anchorage. Not disease prone but very sensitive to any decline in water quality. Sometimes difficult to feed, as tubular mouths accommodate only tiny foods, like brine shrimp, bloodworms, glassworms, livebearer fry.

260) DACTYLOPTERIDAE

Flying gurnards. Benthic; generally peaceful, Large pectoral fins easily damaged—transport with care. Eat mostly bottom invertebrates, small fishes, Hardy.



262) SCORPAENIDAE

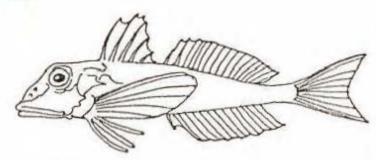
Scorpionfishes. Venomous; handle with extreme care. Usually very hardy; not sensitive to water variations, not disease prone. Can swallow fishes nearly their own size, but peaceful with fishes too large to eat. Prefer coral-aquascaped tanks with ledges and caves. Many grow large. Foods: goldfish, prawn.

263) SYNANCEIIDAE

Stonefishes, Similar in care to scorpionfishes, but venom is deadly to humans. Best not kept at all!

264) CARACANTHIDAE, 265) APLOACTINIDAE, 266) PATAECIDAE

Velvetfishes. Benthic, Generally peaceful and small. Good for reef tanks, as plants and invertebrates supply good camouflage. Feed small feeder fishes, prawn. Generally hardy but uncommon in captivity.



268) TRIGLIDAE

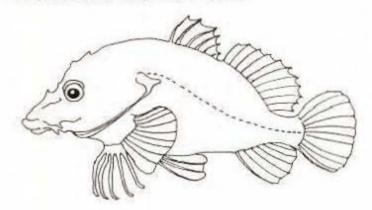
Searobins. Active benthic predators. Like a fairly open substrate area on which to "crawl" around, Spiny but nonvenomous. Will eat anything that can be swallowed. Sometimes aggressive with conspecifics. Very hardy.

269) PLATYCEPHALIDAE

Flatheads. Similar in care to searobins.

271) ANOPLOPOMATIDAE, 272) HEXAGRAMMIDAE

Sablefishes and greenlings. Large, midwater or benthic, Often coldwater species that require large tanks. Feed mostly on crustaceans, molluscs, fishes; good captive foods include chopped fish or clam, shrimp, crab, squid. Rocky tanks with plants.



276) COTTIDAE

Sculpins. Generally small (but there are exceptions), very territorial with conspecifics but relatively peaceful with other species. Spiny; handle with care. Usually very tolerant of environmental variations, and many are very adaptable to salinity changes. Like plenty of hiding places and a cool, dim tank. Will eat small fishes and invertebrates; good foods include guppies or goldfish, brine shrimp, bloodworms, glassworms, chopped clam, prawn.

280) AGONIDAE

Poachers, Coldwater, benthic. Peaceful. Sensitive to variations in water quality. Generally eat small invertebrates: try brine shrimp, bloodworms, glassworms, small prepared foods.

281) CYCLOPTERIDAE

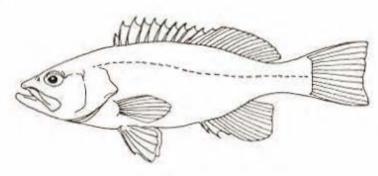
Lumpfishes and snailfishes. Benthic, coldwater. Need water that is heavily aerated. Some rather large. Very hardy; few disease problems. Peaceful with anything too large to swallow. Foods: chunks of clam, squid, shrimp, crab, also brine shrimp and bloodworms for smaller species.

282) CENTROPOMIDAE

Snooks. Large shallow water, estuarine predators; too big for most tanks. Require plenty of open swimming room. Eat mostly live fishes but may accept chunks of fish, mollusc, crustacean meats. Fairly tolerant of salinity variations. Fairly hardy. Related family (Ambassidae—often considered subfamily of Centropomidae) includes the small, planktivorous glassfishes, which are peaceful and harmless.

283) PERCICHTHYIDAE

Temperate basses. Very large, generally suitable only for large public aquaria. Very active fish eaters. Sensitive to water quality fluctuations.

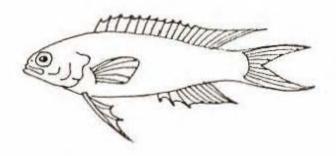


284) SERRANIDAE

Groupers and sea basses. Large-mouthed predators, often aggressive with conspecifics but peaceful with other fishes if they cannot be swallowed. Will eat crustaceans and some molluscs but leave most other invertebrates alone. Like to dig in bottom substrate. Coral aquascape with shadowy grottos preferred. Many very large when full-grown. Foods: feeder fishes, chopped clam, squid, shrimp, crab. Very hardy.

285) GRAMMISTIDAE

Soapfishes. Peaceful but will eat small fishes. Hardy, disease resistant. However, when stressed or attacked, may release a toxic mucus that can kill tankmates. Shy; coral caves preferred. Often tame easily. All foods accepted.



286) PSEUDOCHROMIDAE, 287) GRAMMIDAE

Dottybacks and basslets respectively. Mostly tropical. Small, peaceful grouper-like fishes, generally do not bother fish or invertebrate tankmates. May be aggressive with conspecifics, however. Prefer heavily aquascaped tanks with lots of hiding places. Good in reef aquaria. Most are hardy fishes. Small foods: brine shrimp, bloodworms, glassworms, small slivers of chopped clam or shrimp. Most will learn to take flake foods and other prepared diets.

288) PLESIOPIDAE

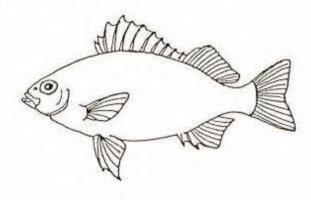
Devilfishes or roundheads. Shy at first, but very hardy. Like shadowy grottos. May be aggressive with conspecifics. Usually slow to feed at first—start with live guppies and wean over to brine shrimp, prawn, chopped clam, prepared foods. Very disease resistant.

289) ACANTHOCLINIDAE

Habits and care as for dottybacks (Pseudochromidae).

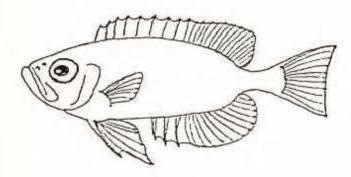
290) GLAUCOSOMATIDAE

Similar to serranids in appearance, habits, and care.



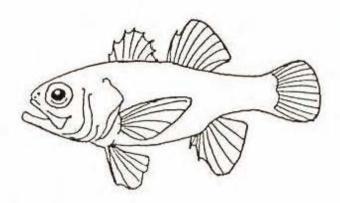
291) TERAPONIDAE, 293) KUHLIIDAE

Grunters and aholeholes. Schools preferred. Large, spacious aquaria. Very hardy; not prone to disease; very tolerant of water quality fluctuations. Wide salinity tolerance. Foods: brine shrimp, bloodworms, prawn, all prepared foods, feeder fishes.



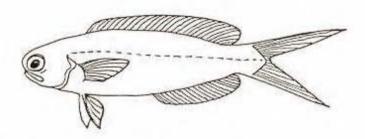
296) PRIACANTHIDAE

Bigeyes. Nocturnal predators, peaceful and shy with all they cannot swallow. Prefer dark overhangs and grottos in their tanks. Hardy, but some too large for average home aquaria.



297) APOGONIDAE

Cardinalfishes. Most small and peaceful. Good for reef tanks. Somewhat light-shy. Many are schooling fishes. Have spawned in aquaria. Mostly tropical temperatures. Hardy and resistant to disease and water quality variations. Foods: brine shrimp, bloodworms, glassworms, chopped clam, shrimp. Large species will accept small guppies.



299) SILLAGINIDAE, 300) MALACANTHIDAE

Smelt-whitings and tilefishes. Most aquarium species are small, colorful, and shy. Feed mostly on small invertebrates. Good for reef aquaria. Often feed poorly, but good foods would include live brine shrimp, bloodworms, glassworms, chopped clam. They are very sensitive to any fluctuation in water quality. Prone to transport shock; acclimate with care.

301) LABRACOGLOSSIDAE, 302) LACTARIIDAE

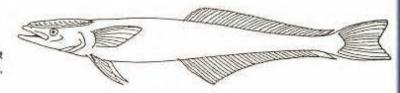
False trevallies and relatives. Midwater schooling fishes; large spacious tank needed. Feed mostly on small fishes; incompatible with smaller fishes.

303) POMATOMIDAE

Bluefishes. Ravenous schooling predators; incompatible with all other species. Very large tanks needed. Fairly hardy. Wide salinity tolerance.

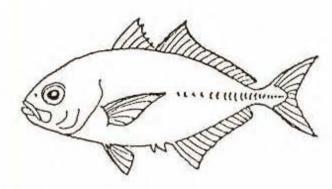
304) RACHYCENTRIDAE

Cobia. Active, very large. Feed on fishes and crustaceans, so incompatible with most other species.



305) ECHENEIDIDAE

Remoras. Very hardy in aquaria. May attach to larger fishes with sucker disc (for transport only; no injury is involved). However, this does annoy some fishes. Best hosts are sharks. Live, frozen, prepared foods accepted with gusto.



306) CARANGIDAE

Jacks. Fast-moving schooling fishes. Fairly hardy but require large tanks. Somewhat prone to transport shock. Many species have wide salinity tolerance. Will eat small fishes but are usually peaceful with those of like size. Foods: fish, chopped clam, prawn, squid.

307) NEMATISTIIDAE

Roosterfish. Care similar to Carangidae.

308) CORYPHAENIDAE

Dolphinfishes. Young specimens sometimes kept but are delicate; feed brine shrimp, bloodworms. Adults are swift, pelagic—not suitable for any but large public aquaria.

309) APOLECTIDAE

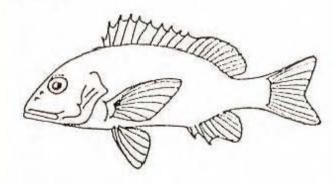
Habits and care similar to Carangidae.

310) MENIDAE, 311) LEIOGNATHIDAE, 312) BRAMIDAE

Moonfish, slipmouths, pomfrets, respectively. Mostly oceanic schooling fishes. Peaceful but active; spacious tanks necessary. Sensitive to fluctuations in water quality. Foods: small fishes, brine shrimp, bloodworms, squid, chopped clam.

314) ARRIPIDAE

Australian salmon. Midwater schoolers feeding on small fishes. Cool water, large tanks. Hardy but seldom seen.



315) EMMELICHTHYIDAE, 316) LUTJANIDAE, 317) CAESIONIDAE

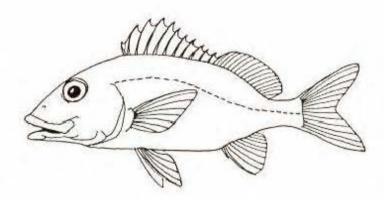
Rovers, snappers, fusiliers, respectively. Bottom to midwater schooling fishes. Very hardy, not prone to disease. Not sensitive to water quality fluctuations, and many species are euryhaline. Peaceful with fishes too large to swallow. Many species grow large and need big tanks. Coral/rock aguascape. All foods accepted.

318) LOBOTIDAE

Tripletails. Very hardy, euryhaline. Young specimens need planted tanks for camouflage. Peaceful with large fishes, will eat small ones. Most grow large but are fairly sedentary; provide caves for shelter.

319) GERREIDAE

Mojarras. Small, active schooling fishes. Peaceful, relatively hardy, euryhaline. Need plenty of open swimming room. Feed on planktonic crustaceans—live brine shrimp is a good substitute.

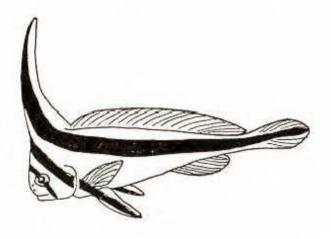


320) HAEMULIDAE, 321) INERMIIDAE, 322) SPARIDAE

Grunts, bonnetmouths, porgies, respectively. Generally, snapperlike fishes. Midwater- to bottom-schoolers. Very hardy; disease resistant; tolerant of variations in water quality. Coral/rock/plant aquascapes. Often aggressive. All foods taken, but many species also graze on algae.

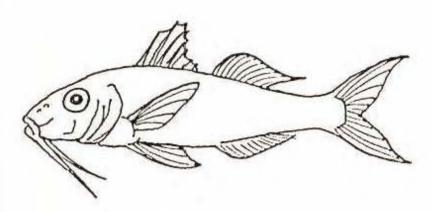
324) LETHRINIDAE, 325) NEMIPTERIDAE

Emperors and threadfin breams. Similar in appearance, behavior, and requirements to snappers.



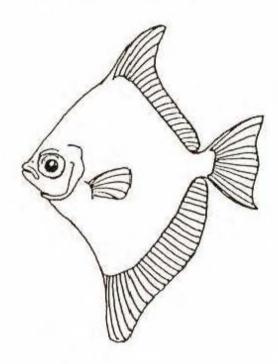
326) SCIAENIDAE

Drums. Bottom dwellers feeding on benthic invertebrates. Fairly hardy, but tropical species are prone to *Cryptocaryon* infection. Most species (except the very largest) are peaceful and shy. Coral/rock aquascape. Prefer groups of same species. Foods: brine shrimp, bloodworms, glassworms, chopped clam, frozen prepared foods.



327) MULLIDAE

Goatfishes. Use barbels to find benthic invertebrates. Excellent scavengers. Hardy when acclimated, but very prone to transport shock. Peaceful. Soft substrate preferable. Foods: chopped clam, prawn, crab, brine shrimp, bloodworms, all prepared foods.



328) MONODACTYLIDAE

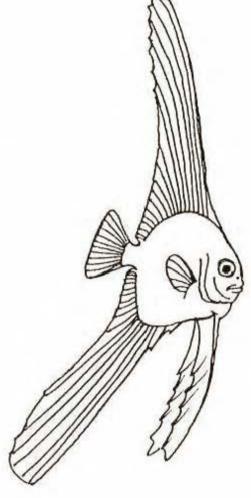
Monos. Brackish to marine. Planted aquaria, roots and rocks as decorations. Prefer groups of same species, but tend to be scrappy. Generally peaceful with other species. Not overly sensitive to water quality, but prone to ich. Foods: bloodworms, brine shrimp, glassworms, prepared foods.

329) PEMPHERIDIDAE

Sweepers. Small fishes, school in massive shoals in open water adjoining reefs; large tanks necessary. Very delicate and sensitive; not often seen in the hobby. Feed on planktonic invertebrates—try brine shrimp and bloodworms.

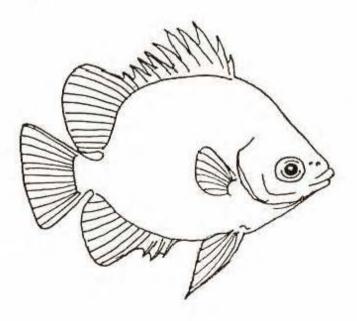
334) KYPHOSIDAE

Sea chubs. Open-water schoolers; large tanks. Often reach a large size. Very hardy. Peaceful but will eat small fishes. Algae necessary in diet. Other foods include clam, squid, crab, prawn.



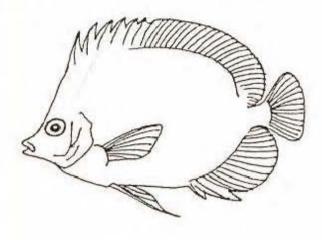
335) EPHIPPIDIDAE

Spadefishes and batfishes. Very hardy (with the exception of *Platax pinnatus*) but grow quite large. Very peaceful. Young prefer plant thickets for camouflage. Need very deep tanks. Coral/rock aquascape for mature specimens. All foods taken vigorously.



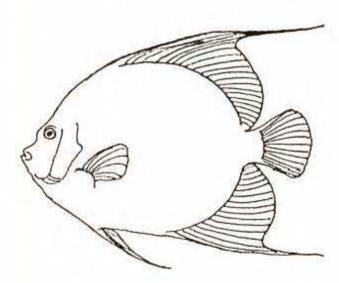
336) SCATOPHAGIDAE

Scats. Brackish to marine; very hardy but prone to lymphocystis. Not overly aggressive but sometimes nip at fins. Prefer schools but are often scrappy with conspecifics. Algae necessary in diet. Other foods: brine shrimp, bloodworms, prepared foods.



338) CHAETODONTIDAE

Butterflyfishes. Very beautiful reef fishes. Of variable hardiness. Some feed only on live corals and are almost impossible to keep alive in captivity. Most are sensitive to any change in water quality, and some are fairly disease-prone. Butterflyfishes are very peaceful with other species but may be aggressive with conspecifics, except for mated pairs collected together. Foods: brine shrimp, bloodworms, glassworms, chopped clam, frozen prepared toods.



339) POMACANTHIDAE

Angelfishes. Hardy with relatively few exceptions. Not sensitive to most variations in water quality, but some suffer in the presence of high nitrates. Most are fairly disease-resistant but some species are prone to lymphocystis. Generally peaceful, but large specimens are often dominant fishes. Often aggressive with conspecifics. Coral/rock aquascape with lots of nooks will partition territories. Algae very necessary in diet. Other foods: brine shrimp, bloodworms, glassworms, chopped clam, prawn, boiled spinach.

340) ENOPLOSIDAE

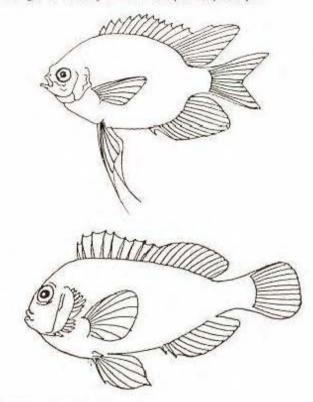
Oldwife. Hardy, accepts all foods.

343) OPLEGNATHIDAE

Knifejaws. Peaceful but may eat small fishes. Will consume most crustaceans and many molluscs. Coral/rock aquascape. Foods: shrimp, crab, chopped clam.

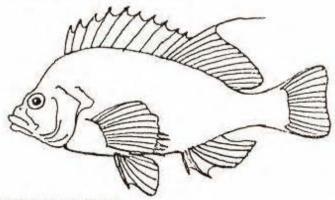
345) EMBIOTOCIDAE

Surfperches. Most need cool aquaria, but are otherwise hardy. Some reach a large size. Livebearers. Peaceful but will eat small fishes, Algae necessary in diet. Rock/plant aquascape.



346) POMACENTRIDAE

Damselfishes (including anemonefishes). Very hardy and resistant to disease. Very scrappy with conspecifics, and very territorial in relations with other species. Lots of coral decorations will help to break up territories. Among the easiest of marine fishes to breed; they are parental-guarding substrate spawners. Anything edible will be accepted. Algae is also welcome.



348) CIRRHITIDAE

Hawkfishes. Benthic predators. Like high coral heads as "perches" and vantage points. Some species grow rather large. Peaceful, extremely hardy. Coral/rock aquascape. Foods: gupples, bloodworms, brine shrimp, chopped clam, prepared foods.

350) APLODACTYLIDAE, 351) CHILODACTYLI-DAE, 352) LATRIDIDAE

Morwongs and relatives. Generally similar to hawkfishes in habits and care, but most are somewhat larger.

353) OWSTONIIDAE, 354) CEPOLIDAE

Owstonlids and bandfishes. Somewhat delicate, not generally available. Feed on small invertebrates.

355) MUGILIDAE

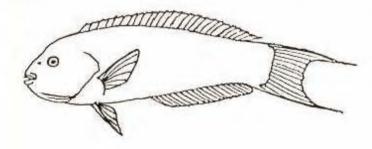
Mullets. Fast-swimming schoolers. Euryhaline. Excellent jumpers tank must be well-covered. Feed on small invertebrates in substrate, but will accept most aquarium foods. Sensitive to fungal infections. Prone to transport shock; acclimate carefully. Large spacious tanks necessary.

356) SPHYRAENIDAE

Barracudas, Large midwater predators. Some are schooling fishes. Very large tanks needed. Toothy; handle with care. Usually accept only live fishes, but acclimated specimens will sometimes accept chunks of fish. Hardy and long-lived, but aggressive and difficult to house with other fishes.

357) POLYNEMIDAE

Threadfins. Benthic fishes. Peaceful, active. Feed on small fishes and crustaceans.

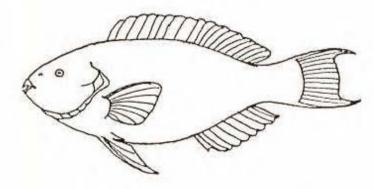


358) LABRIDAE

Wrasses. Most very hardy and peaceful. Most are at least territorial with conspecifics—provide plenty of room. Most invertebrates will not be molested except for small crustaceans. Many burrow in sand; soft substrate needed. Coral aquascape. With few exceptions, all foods will be taken. Good for reef aquaria.

359) ODACIDAE

Weed whitings. Wrasselike, care similar. Cool water and plant/rock aquascape. Seldom seen.

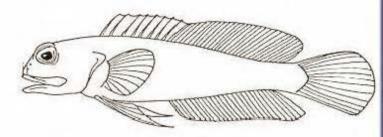


360) SCARIDAE

Parrottishes. Moderately hardy, but some species are delicate. Often difficult to feed. Coral heads heavily encrusted with algae necessary in diet. Other foods: brine shrimp, chopped clam, bloodworms. Peaceful with other fishes but sometimes aggressive with conspecifics. Some species very large and need big tanks.

361) BATHYMASTERIDAE, 362) ZOARCIDAE, 363) STICHAEIDAE, 365) PHOLIDIDAE, 366) ANARHI-CHADIDAE

Eelpouts, wolffishes, and relatives. Bottom dwellers, some very large. Cool to cold water. Most eat benthic invertebrates, but fishes that can be caught will also be eaten. Rock aquascape with caves preferred. Very hardy. Foods: whole or chopped fish, clam, squid, also shrimp and crab.



375) OPISTOGNATHIDAE

Jawfishes. Secretive. Excavate burrows in sand and gravel bottoms. Very territorial with conspecifics, but conflicts are largely bluft. Peaceful with other species. Good with most invertebrates; excellent in reef aquaria. Hardy. Foods: brine shrimp, bloodworms, glassworms, prepared foods.

376) CONGROGADIDAE

Eelblennies. Very hardy. Some are euryhaline. Aggressive; will eat many tankmates (both fish and invertebrate). Bred in captivity. Foods: goldfish, chopped clam, prawn. Rocks and caves needed for shelter.

379) NOTOGRAPTIDAE

Similar to eelblennies in habits and care.

380) PHOLIDICHTHYIDAE

Convict blenny. Hardy. Prefers groups of conspecifics. Coral/rock aquascape with shady hollows. Peaceful. All foods accepted.

381) TRICHODONTIDAE

Sandfishes. Ambush predators. Need soft sand for burying. Incompatible with fishes small enough to swallow. Somewhat delicate and disease prone. Food: Small feeder fishes.

382) TRACHINIDAE

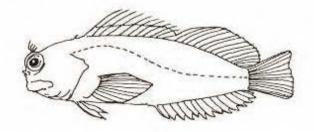
Weeverfishes. Venomous, some lethally so. Ambush predators. Seldom kept.

383) URANOSCOPIDAE

Stargazers. Capable of delivering startling but sublethal electrical shock. Ambush predators; soft sand needed for burrowing. Will eat any fishes and crustaceans small enough to swallow. Some quite large and need big tanks. Foods: small live fishes as well as shrimp and crab meat. Very hardy.

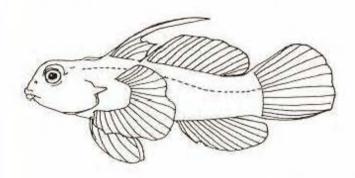
384) TRICHONOTIDAE, 385) CREEDIIDAE, 386) LEPTOSCOPIDAE, 388) MUGILOIDIDAE

Sanddivers, sandperches, and relatives. Similar to sandfishes and lizardfishes in habits and care.



390) TRIPTERYGIIDAE, 391) DACTYLOSCOPIDAE, 392) LABRISOMIDAE, 393) CLINIDAE, 394) CHAE-NOPSIDAE, 395) BLENNIIDAE

Blennies and their relatives. Most are small, benthic fishes. Often very territorial with both conspecifics and other species; provide plenty of room. Extremely hardy, disease resistant, and tolerant of variations in water quality. Provide rocky caves and plenty of plants. Most eat small invertebrates, and algae is an important dietary item to many species. Other foods: brine shrimp, bloodworms, glassworms, chopped clam, most prepared foods including flake food.

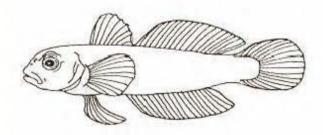


399) CALLIONYMIDAE

Dragonets. Benthic micropredators. Some hardy, others very delicate. Excellent for reef tanks. Very peaceful with other fishes, but may fight among themselves. Very slow-moving, deliberate feeders that cannot compete with voracious feeders like damselfishes. Foods: brine shrimp, bloodworms, glassworms.

402) ELEOTRIDIDAE

Sleeper gobies. Ambush predators. Euryhaline. Lethargic; need shadowy holes for shelter. Very hardy and disease resistant. Many grow large; big tanks needed. Rocks, plants, driftwood. Foods: small fishes, chunks of beet heart, clam, squid, shrimp.

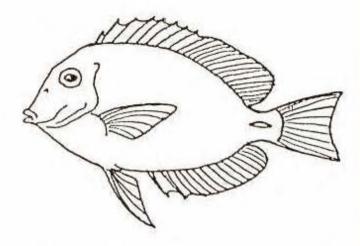


403) GOBIIDAE

Gobies. Benthic micropredators, Most small and peaceful, but territorial with their own species. Most fairly hardy. Some commonly bred in captivity (especially *Gobiosoma* sp.). Coral aquascape including empty mollusc shells. Excellent in reef tanks. Foods: brine shrimp, bloodworms, glassworms, prepared foods.

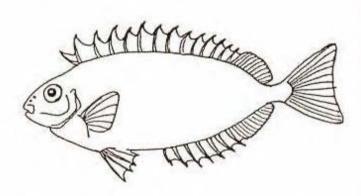
404) GOBIOIDIDAE, 405) TRYPAUCHENIDAE, 407) MICRODESMIDAE

Eel-like gobies. Some are burrowers; soft substrate needed. Feed on small benthic invertebrates, Delicate and seldom seen.



409) ACANTHURIDAE

Surgeonfishes. Algal grazers. Peaceful with other species; may be aggressive with conspecifics. Generally hardy but somewhat prone to *Oodinium* and *Cryptocaryon*. Coral aquascape. Foods: boiled spinach and vegetable-based prepared foods, brine shrimp, bloodworms, chopped clam.



410) SIGANIDAE

Rabbitfishes. Dorsal spines venomous; handle with care. Habits and care as for Acanthuridae.

412) GEMPYLIDAE, 413) TRICHIURIDAE

Snake mackerels and cutlassfishes. Elongate, pelagic, often deepwater. Piscivorous. Delicate; never kept.

414) SCOMBRIDAE

Tunas and mackerels. Extremely active pelagic schooling fishes. Too large except for public aquaria. Delicate and prone to shock. Many very large. Food almost exclusively small fishes.

415) XIPHIIDAE, 417) ISTIOPHORIDAE

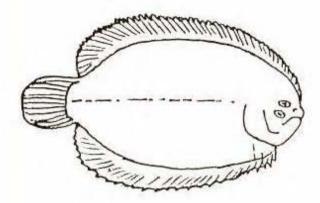
Swordfishes, Pelagic piscivores. Do not adapt well to captivity—bills easily damaged.

419) CENTROLOPHIDAE, 420) NOMEIDAE

Medusafishes and driftfishes. Often commensal with jellylishes or other pelagic chidarians. Usually small and peaceful, but other fishes will be in danger from chidarian host. Somewhat delicate and sensitive to water quality variations. Feed on planktonic invertebrates; good substitutes are brine shrimp and bloodworms.

423) STROMATEIDAE

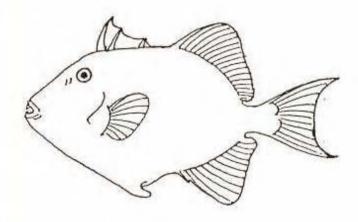
Butterfishes. Open-water schooling fishes. Delicate; prone to transport injury and shock. Foods: brine shrimp, bloodworms.



432) PSETTODIDAE, 434) BOTHIDAE, 435) PLEU-RONECTIDAE, 436) CYNOGLOSSIDAE, 437) SO-LEIDAE

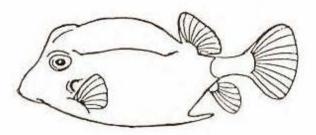
Flatfishes. Benthic; need soft sand for burying. Some very large. Often euryhaline. Tropical as well as coldwater species. Generally peaceful with other fishes but will eat most benthic invertebrates. Fairly hardy. Foods: Chopped fish, shrimp, crab, squid.

438) TRIACANTHODIDAE, 439) TRIACANTHIDAE Spikefishes and triplespines. Relatively peaceful. Feed on small benthic invertebrates. Seldom kept.



440) BALISTIDAE

Triggerfishes and filefishes. Triggers are aggressive, sometimes downright vicious. Files are a bit more peaceful but still may be nippy. Teeth and laws powerful; large specimens may bite. Given to rearranging aquascape. Large triggers may attack heaters, filters, etc. Incompatible with most other species, and usually aggressive with conspecifics. Will eat anything remotely edible and may sample things that are not!

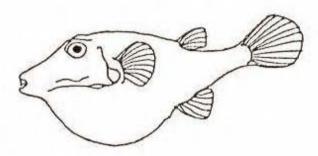


441) OSTRACIONIDAE

Boxfishes. Very peaceful and shy. Slow moving; do not compete well with more active fishes. Some species will exude toxins when stressed, so acclimate with care. Fairly hardy but may be slow to begin feeding. Foods: brine shrimp, bloodworms, chopped clam.

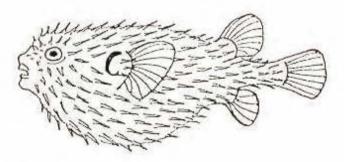
442) TRIODONTIDAE

Three-toothed puffer. Habits and care as for Tetraodontidae.



443) TETRAODONTIDAE

Puffers. Very hardy. May be nippy. May inflate when disturbed. If inflated with air, deflation often troublesome. All foods taken.



444) DIODONTIDAE

Porcupinefishes. Habits and care as for Tetraodontidae.

445) MOLIDAE

Molas. Huge, never kept. Feed mostly on jellyfishes.

CAPTIONS

The captions, where possible, identify the fishes, the family they belong to, their range, feeding habits, aquarium lighting, temperament, aquarium decor, and swimming habits, as well as the specific gravity of the water that best suits them, optimum temperature, greatest size, and the minimum capacity of the aquarium that best suits them.

SYMBOLS:

Feeding:

- represents prepared foods, usually frozen. Very few marine fishes will do well on flake food although some types are quite nutritious.
- represents invertebrates. Although the symbol is obviously a worm, most marine fishes prefer crustaceans and/or molluscs. Many fishes have specific diets and must be supplied certain invertebrates or they will decline (ex. some butterflyfishes need live coral polyps). Please refer to the family write-ups in this book as well as other TFH marine fish books for more detailed information.
 - represents live fishes.
 - represents plant matter. This is usually in the form of algae and can be provided rather easily by growing your own in the tank or buying prepared algal foods from your dealer.

Light: These symbols represent the amount of light recommended for the tank. Remember, however, that some fishes are nocturnal and will be seen only when light levels are low. Others are at their best during the days, showing their colors off in direct sunlight.

- O Bright with occasional sunlight
- As dark as possible as long as fishes are visible

Bright, no sunlight

Aggressiveness/Compatibility: Here again there is commonly no cutand-dried distinction. A fish may be quite peaceful when small, but its appetite grows with its size and it may soon be foraging on the other tankmates. Others may be aggressive only during spawning seasons.

Tank Decoration:

- represents a tank that should be supplied with plant life (normally algae). In some instances algae must be supplied because the inhabitants of the tank feed on it; in others it is decorative.
- represents coral for the tropical tanks and rocks for the more temperate aquaria.
- represents a balance between the two where corals (or rocks) are used along with plants for decoration. The new reef tanks would come under this designation.
- represents a sand or gravel bottom. Sand is required by some fishes (burrowers, etc.), while marine aquarists use dolomite or similar material in order to maintain the proper pH balance.

Tank Level: Fish Locality: Many species are tied to one area of the tank. There are bottom species (like flatfishes) and surface fishes (like needlefishes) and some that will stay just about in the middle range all the time. Most species of marine fishes are wanderers and will swim pretty much around the tank investigating every corner.

	Bottom swimmer	Swims in middle of water
1	No special swimming level	Top swimmer

°C: the temperature in degrees centigrade at which the species is most comfortable. There is of course a range at which the fish will live that extends above and below this figure.

sg: specific gravity. Again, this is an optimum figure. Specific gravity can be easily obtained by use of a simple hydrometer.

cm: the length of a fish (standard length). This is the maximum length a fish is said to attain. Most specimens seen are normally much smaller, and aquarium specimens are generally smaller yet. Many species grow so large only juveniles are kept by aquarists. An inch equals 2.54 cm.

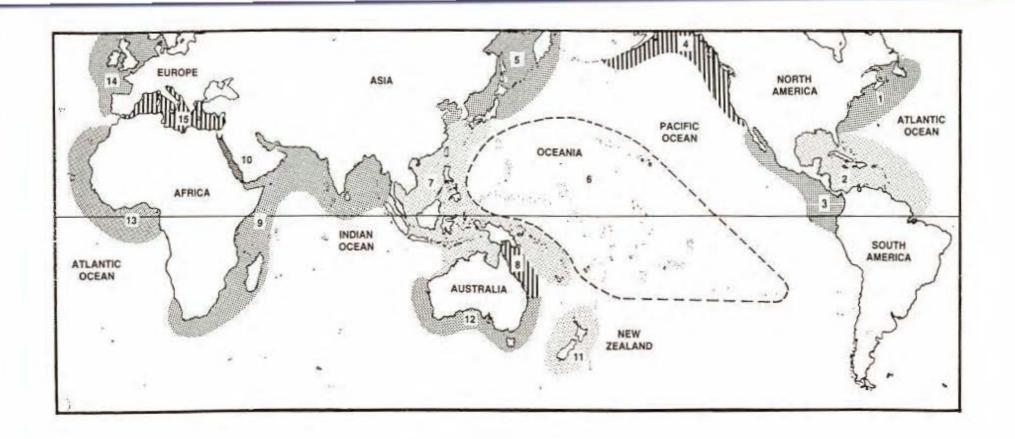
L: the smallest possible size of the tank needed for an average adult of that particular species, given in liters. A gallon is equal to about 3.8 liters.

Range Number:

Range numbers give approximate ranges of the species. Ex. Indo-Pacific = 6-9; Indo-West Pacific = 7-9.

Family Number:

Family numbers follow the species name. The list of families is given on pp. 24 and 25.



Geographic regions are keyed to numbers for easy species caption reference. These regions are highly arbitrary and many species do not confine themselves to these limits. Also species may inhabit only a small portion of the delimited area. But this does give a reasonable approximation of the fishes' range which should help aquarists determine the environment needed for proper maintenance of the fishes.

- 1. Temperate Western Atlantic.
- 2. Tropical Western Atlantic.
- 3. Tropical Eastern Pacific.
- 4. Temperate Eastern Pacific.
- 5. Temperate Western Pacific.
- 6. Oceania.
- 7. Tropical Western Pacific.
- 8. Great Barrier Reef.

- 9. Northern and Western Indian Ocean.
- 10. Red Sea.
- 11. New Zealand.
- 12. Temperate Australia.
- 13. Tropical Eastern Atlantic.
- 14. Temperate Eastern Atlantic.
- 15. Mediterranean Sea.

Systematic List of the Families of Fishes of the World (after Nelson, 1984)

Myxiniformes 1 Myxinidae

Petromyzontiformes

2 Petromyzontidae

Chimaeriformes

3 Callorhynchidae

4 Chimaeridae

5 Rhinochimaeridae

Hexanchiformes

6 Chlamydoselachidae

7 Hexanchidae

Heterodontiformes

8 Heterodontidae

Lamniformes

9 Rhincodontidae

10 Orectolobidae 11 Odontaspididae

12 Lamnidae

13 Scyliorhinidae

14 Carcharhinidae

15 Sphyrnidae

Squaliformes

16 Squalidae

17 Pristiophoridae

18 Squatinidae

Rajiformes

19 Pristidae

20 Torpedinidae

21 Rhinobatidae

22 Rajidae

23 Dasyatidae

24 Potamotrygonidae

25 Hexatrygonidae

26 Myliobatididae

27 Mobulidae

Ceratodontiformes

28 Ceratodontidae

Lepidosireniformes

29 Lepidosirenidae

30 Protopteridae Coelacanthiformes

31 Latimeriidae

Polypteriformes

32 Polypteridae

Acipenseriformes 33 Acipenseridae

34 Polyodontidae

Lepisosteiformes

35 Lepisosteidae

Amiiformes

36 Amiidae

Osteoglossiformes

37 Osteoglossidae

38 Pantodontidae

39 Hiodontidae

40 Notopteridae

41 Mormyridae

42 Gymnarchidae

Elopiformes

43 Elopidae

44 Megalopidae

45 Albulidae

46 Halosauridae

47 Notacanthidae

48 Lipogenyidae

Anguilliformes

49 Anguillidae

50 Heterenchelyidae

51 Moringuidae

52 Xenocongridae

53 Myrocongridae

54 Muraenidae

55 Nemichthyidae

56 Cvematidae

57 Synaphobranchidae

58 Ophichthidae

59 Nettastomatidae

60 Colocongridae

61 Macrocephenchelyidae

62 Congridae

63 Derichthyidae

64 Serrivomeridae

65 Saccopharyngidae

66 Eurypharyngidae

67 Monognathidae

Clupeiformes

68 Denticipitidae

69 Clupeidae

70 Engraulididae

71 Chirocentridae

Gonorynchiformes

72 Chanidae

73 Gonorynchidae 74 Kneriidae

75 Phractolaemidae

Cypriniformes

76 Cyprinidae

77 Psilorhynchidae

78 Homalopteridae

79 Cobitididae

80 Gyrinocheilidae

81 Catostomidae

Characiformes

82 Citharinidae 83 Hemiodontidae

84 Curimatidae 85 Anostomidae

86 Erythrinidae

87 Lebiasinidae

88 Gasteropelecidae 89 Ctenoluciidae

90 Hepsetidae

91 Characidae

Siluriformes 92Diplomystidae

93 Ictaluridae

94 Bagridae

95 Cranoglanididae

96 Siluridae

97 Schilbidae

98 Pangasiidae

99 Amblycipitidae

100 Amphiliidae

101 Akysidae

102 Sisoridae

103 Clariidae

104 Heteropneustidae

105 Chacidae 106 Olyridae

107 Malapteruridae

108 Ariidae

109 Plotosidae

110 Mochokidae 111 Doradidae

112 Auchenipteridae

113 Pimelodidae

114 Ageneiosidae

115 Helogenidae

116 Cetopsidae 117 Hypophthalmidae

118 Aspredinidae

119 Trichomycteridae

120 Callichthyidae

121 Loricariidae

122 Astroblepidae

Gymnotiformes 123 Sternopygidae

124 Rhamphichthyidae

125 Hypopomidae

126 Apteronotidae

127 Gymnotidae

128 Electrophoridae

Salmoniformes

129 Esocidae

130 Umbridae 131 Argentinidae

132 Bathylagidae

133 Opisthoproctidae

134 Alepocephalidae 135 Searsiidae

136 Lepidogalaxiidae

137 Osmeridae

138 Plecoglossidae

139 Salangidae

140 Sundasalangidae 141 Retropinnidae

142 Galaxiidae 143 Salmonidae

Stomiiformes

144 Gonostomatidae

145 Sternoptychidae

146 Photichthyidae

147 Chauliodontidae

148 Stomiidae 149 Astronesthidae

150 Melanostomiidae

151 Malacosteidae

152 Idiacanthidae

Aulopiformes 153 Aulopididae

154 Chlorophthalmidae

155 Scopelarchidae

156 Notosudidae

157 Synodontidae

158 Giganturidae

159 Paralepididae 160 Anotopteridae

161 Evermannellidae

162 Omosudidae

163 Alepisauridae 164 Pseudotrichonotidae

Myctophiformes 165 Neoscopelidae

166 Myctophidae

Percopsiformes

167 Percopsidae

168 Aphredoderidae 169 Amblyopsidae

Gadiformes

170 Muraenolepididae

171 Moridae

172 Melanonidae

173 Bregmacerotidae

174 Gadidae

175 Merlucciidae 176 Macrouridae

Ophidiiformes

177 Ophidiidae 178 Carapidae

179 Bythitidae 180 Aphyonidae

Batrachoidiformes

181 Batrachoididae 182 Lophiidae

183 Antennariidae 184 Brachionichthyidae

185 Chaunacidae

186 Ogcocephalidae 187 Caulophrynidae

188 Ceratiidae

189 Gigantactinidae

190 Neoceratiidae 191 Linophrynidae

192 Oneirodidae

383 Uranoscopidae Pegasiformes 315 Emmelichthyidae 193 Thaumatichthyidae 384 Trichonotidae 253 Pegasidae 316 Lutjanidae 194 Centrophrynidae 317 Caesionidae 385 Creediidae Syngnathiformes 195 Diceratiidae 254 Aulostomidae 318 Lobotidae 386 Leptoscopidae 196 Himantolophidae 387 Percophidae 255 Fistulariidae 319 Gerreidae 197 Melanocetidae 320 Haemulidae 388 Mugiloididae 256 Macrorhamphosidae Gobiesociformes 321 Inermiidae 389 Cheimarrhichthyidae 198 Gobiesocidae 257 Centriscidae 390 Tripterygiidae 322 Sparidae 199 Alabetidae 258 Solenostomidae 323 Centracanthidae 391 Dactyloscopidae 259 Syngnathidae Cyprinodontiformes 392 Labrisomidae 324 Lethrinidae Dactylopteriformes 200 Exocoetidae 393 Clinidae 325 Nemipteridae 260 Dactylopteridae 201 Hemiramphidae Synbranchiformes 326 Sciaenidae 394 Chaenopsidae 202 Belonidae 395 Blenniidae 261 Synbranchidae 327 Mullidae 203 Scomberesocidae 328 Monodactylidae 396 Icosteidae Scorpaeniformes 204 Oryziidae 397 Schindleriidae 329 Pempherididae 262 Scorpaenidae 205 Adrianichthyidae 398 Ammodytidae 263 Synanceiidae 330 Leptobramidae 206 Horaichthyidae 331 Bathyclupeidae 399 Callionymidae 264 Caracanthidae 207 Aplocheilidae 400 Draconettidae 265 Aploactinidae 332 Toxotidae 208 Cyprinodontidae 401 Rhyacichthyidae 266 Pataecidae 333 Coracinidae 209 Goodeidae 334 Kyphosidae 402 Eleotrididae 267 Congiopodidae 210 Anablepidae 403 Gobiidae 268 Triglidae 335 Ephippididae 211 Jenynsiidae 212 Poeciliidae 404 Gobioididae 269 Platycephalidae 336 Scatophagidae 405 Trypauchenidae 337 Rhinoprenidae 270 Hoplichthyidae Atheriniformes 406 Kraemeriidae 213 Atherinidae 338 Chaetodontidae 271 Anoplopomatidae 407 Microdesmidae 272 Hexagrammidae 339 Pomacanthidae 214 Isonidae 408 Kurtidae 340 Enoplosidae 215 Melanotaeniidae 273 Zaniolepididae 341 Pentacerotidae 409 Acanthuridae 274 Normanichthyidae 216 Neostethidae 275 Ereuniidae 342 Nandidae 410 Siganidae 217 Phallostethidae 411 Scombrolabracidae 276 Cottidae 343 Oplegnathidae Lampriformes 344 Cichlidae 412 Gempylidae 277 Cottocomephoridae 218 Lampridae 345 Embiotocidae 219 Veliferidae 413 Trichiuridae 278 Comephoridae 414 Scombridae 346 Pomacentridae 220 Lophotidae 279 Psychrolutidae 415 Xiphiidae 280 Agonidae 347 Gadopsidae 221 Radiicephalidae 416 Luvaridae 348 Cirrhitidae 281 Cyclopteridae 222 Trachipteridae 349 Chironemidae 417 Istiophoridae Perciformes 223 Regalecidae 418 Amarsipidae 350 Aplodactylidae 282 Centropomidae 224 Stylephoridae 351 Cheilodactylidae 419 Centrolophidae 283 Percichthyidae 225 Ateleopodidae 284 Serranidae 352 Latrididae 420 Nomeidae 226 Mirapinnidae 285 Grammistidae 353 Owstoniidae 421 Ariommatidae 227 Eutaeniophoridae 286 Pseudochromidae 354 Cepolidae 422 Tetragonuridae 228 Megalomycteridae 287 Grammidae 355 Mugilidae 423 Stromateidae Beryciformes 356 Sphyraenidae 424 Anabantidae 229 Monocentrididae 288 Plesiopidae 357 Polynemidae 425 Belontiidae 289 Acanthoclinidae 230 Trachichthyidae 358 Labridae 426 Helostomatidae 290 Glaucosomatidae 231 Anomalopidae 359 Odacidae 427 Osphronemidae 291 Teraponidae 232 Diretmidae 360 Scaridae 428 Luciocephalidae 292 Banjosidae 233 Anoplogastridae 361 Bathymasteridae 429 Channidae 293 Kuhliidae 234 Berycidae 430 Mastacembelidae 294 Centrarchidae 362 Zoarcidae 235 Holocentridae 295 Percidae 431 Chaudhuriidae 363 Stichaeidae 236 Polymixiidae 364 Cryptacanthodidae Pleuronectiformes 296 Priacanthidae 237 Stephanoberycidae 365 Pholididae 432 Psettodidae 238 Melamphaidae 297 Apogonidae 366 Anarhichadidae 433 Citharidae 239 Gibberichthyidae 298 Dinolestidae 299 Sillaginidae 367 Ptilichthyidae 434 Bothidae 240 Rondeletiidae 435 Pleuronectidae 300 Malacanthidae 368 Zaproridae 241 Barbourisiidae 436 Cynoglossidae 369 Scytalinidae 242 Cetomimidae 301 Labracoglossidae 437 Soleidae 302 Lactariidae 370 Bovichthyidae Zeiformes 303 Pomatomidae 371 Nototheniidae Tetraodontiformes 243 Parazenidae 372 Harpagiferidae 438 Triacanthodidae 304 Rachycentridae 244 Macrurocyttidae 439 Triacanthidae 305 Echeneididae 373 Bathydraconidae 245 Zeidae 440 Balistidae 246 Oreosomatidae 306 Carangidae 374 Channichthyidae 441 Ostraciidae 375 Opistognathidae 247 Grammicolepididae 307 Nematistiidae 442 Triodontidae 376 Congrogadidae 248 Caproidae 308 Coryphaenidae 443 Tetraodontidae 309 Apolectidae 377 Chiasmodontidae Gasterosteiformes 444 Diodontidae 378 Champsodontidae 249 Hypoptychidae 310 Menidae 445 Molidae 250 Aulorhynchidae 311 Leiognathidae 379 Notograptidae 380 Pholidichthyidae 251 Gasterosteidae 312 Bramidae

381 Trichodontidae 382 Trachinidae

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252 Indostomidae

313 Caristiidae

314 Arripidae

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WEIGHTS & MEASURES

CUSTOMARY U.S. MEASURES AND EQUIVALENTS

METRIC MEASURES AND EQUIVALENTS

LENGTH

- = 2.54 cm1 inch (in) $= 3048 \, \mathrm{m}$ 1 toot (ff) = 12 in= .9144 m 1 yard (yd) =3 ff= 1760 yd = 16093 km1 mile (mil 1 nautical mile = 1.152 mi = 1.853 km
 - 1 millimeter (mm) = 0394 in= .3937 in1 centimeter (cm) = 10 mm 1 meter (m) = 1000 mm = 1.0936 yd1 kilometer (km) = 1000 m = 6214 mi

ARFA

- 1 square inch (in²) $= 6.4516 \text{ cm}^2$ $= .093 \text{ m}^2$ 1 square foot (ft²) $= 144 \text{ in}^2$ 1 square yard $(yd^2) = 9 tt^2$ $= 8361 \, \text{m}^2$ $= 4840 \text{ vd}^2 = 4046.86 \text{ m}^2$ 1 square mile $(mi^2) = 640$ acre = 2.59 km²
- 1 sq centimeter (cm²) = 100 mm² $= .155 in^2$ 1 sq meter (m²) $= 10.000 \text{ cm}^2 = 1.196 \text{ vd}^2$ 1 hectare (ha) $= 10.000 \text{ m}^2$ = 2.4711 acres = 100 ha $= .3861 \, \text{mi}^2$ 1 sq kilometer (km²)

WEIGHT

- 1 ounce (oz) = 437.5 grains = 28.35 g 1 pound (lb) = 16 oz = .4536 kg1 short ton = 2000 lb = .90721= 2240.1b= 1.01611 1 long ton
- = .0154 grain 1 milligram (mg) 1 gram (g) = 1000 mg = .0353 oz1 kilogram (kg) = 1000 g = 2.2046 lb= 1000 kg = 1.1023 short tons 1 tonne (I) 1 tonne = .9842 long ton

VOLUME

- 1 cubic inch (in3) $= 16.387 \text{ cm}^3$ $= .028 \text{ m}^3$ 1 cubic foot (ft3) $= 1728 \text{ in}^3$ 1 cubic yard (yd 3) = 27 ff 3 $= .7646 \, \text{m}^3$ = 2.957 cl1 fluid ounce (fl. oz) = :4732 | 1 liquid pint (pt) = 16 fl oz = .9461 1 liquid quart $\{q1\} = 2 p1$ = 3.785311 gallon (gal) =4 gt1 dry pint = .550611 bushel [bu] = 64 dry pt = 35.2381 f
- $= .061 \text{ in}^3$ 1 cubic centimeter (cm3) 1 cubic decimeter (dm 3) = 1000 cm 3 = .353 ft 3 $= 1000 \text{ dm}^3 = 1.3079 \text{ yd}^3$ 1 cubic meter (m3) 1 liter (I) $= 1 \, dm^3$ = .2642 gal= 2.8378 bu1 hectoliter (hl) = 100 |

TEMPERATURE

20" 32" 40" 50" 60" 70" 80" 90" 100" 110" 120" 130" 140" 150" 860" 170" 180" 140" 200" 212"

CELCIUS° = 5/9 (F° -32°) FAHRENHEIT° = 9/5 C° +32°

PICTORIAL IDENTIFICATION SECTION

The following pictorial identification section includes thousands of photographs of marine fishes from around the world. The families are in systematic sequence according to Nelson (1984), or as close to that as practical. (See pages 26 and 27.) The individual photos are coded with a family number for ready reference. In some cases some photos are out of sequence due to reasons beyond our control, but the family numbers should make it easy to place these "orphans" in their proper sequence.

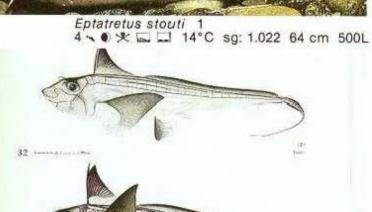
Aquarists can scan through these pages until they find the correct family for the fish they are trying to identify. They can then look more carefully at the species depicted until they find the photo that most closely resembles their fish. One has to remember that differences in size, sex, geography, and even temperament may cause the fish to look different. However, in most cases an identification can be made with reasonable certainty. Once a correct name is arrived at the species can be researched in other references or the caption may provide all the information needed.

The captions are set up as follows:

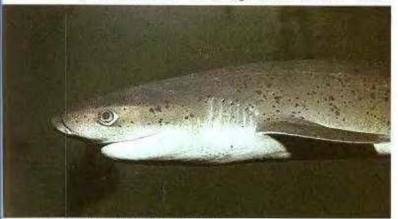
Line 1: Scientific name and family number

Line 2: Range number (or, in the case of fishes with worldwide distribution, the abbreviation for "circumtropical"), feeding symbol, light symbol, compatibility symbol, tank decor symbol, tank level symbol, temperature in degrees Celsius, specific gravity, size of fish, capacity of tank. (Full text dealing with symbols found in the captions begins on page 23.)

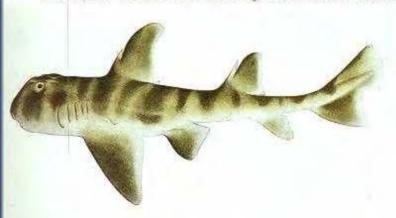




Chimaera phantasma 4 5 ~ ● ▼ 🖬 🗔 14°C sg: 1.022 100 cm 1200L



Notorynchus cepedianus 7 Antitropical → ● 🗴 🖾 🖾 20°C sg: 1.022 200 cm 3000L



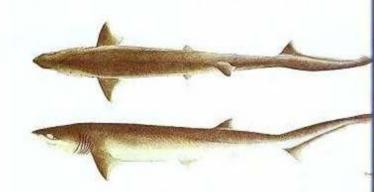
Heterodontus japonicus 8 7-9 ◇ C 🛠 酷 🗔 26°C sg: 1.022 150 cm 2000L



Eptatretus sp. (stouti?) 1 4 ~ ● * ➡ □ 14°C sg: 1.022 64 cm 500L



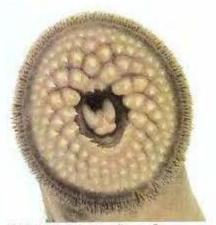
Chlamydoselachus anguineus 6 1, 4, 11, 14 < ② ★ 扇 □ 14°C sg: 1.022 200 cm 2000L



Heptranchias perio 7 Circumtropical < • ★ 🕞 🖾 25°C sg: 1.022 137 cm 3500L



Heterodontus portusjacksoni 8 12 ~ ○ * ♣ □ 26°C sg: 1.022 138 cm 3500L



Petromyzon marinus 2 1 → ① 火 📠 🗔 14°C sg: 1.020 100 cm 500L



Heterodontus francisci 8 3-4 ◇ C ★ 🖬 🗆 26°C sg: 1.022 96 cm 1000L



Heterodontus mexicanus 8 3 ~ 0 × 📠 🗆 26°C sg: 1.022 96 cm 1000L





Hydrolagus collei 4 4 ~ ~ ● ♥ 🖾 🛄 14°C sg: 1.022 96 cm 1000L



Heterodontus zebra 8 7 ~ ○ ★ 🖬 🗔 26°C sg: 1.022 100 cm 1000L



Rhincodon typus 9 circumtropical > 0 ♥ 26°C sg: 1.022 1000-1200 cm



Stegostoma varium 10
7-9

○ ▼

□ 26°C sg: 1.022 230 cm 2500L 7-9

○ ▼
□ 26°C sg: 1.022 230 cm 2500L

Ginglymostoma cirratum 10 1-3 ~ ~ ○ * ➡ □ 26°C sg: 1.022 430 cm 5000L



Ginglymostoma cirratum 10 1-3 ~ ~ ○ ★ 🖬 🖂 26°C sg: 1.022 430 cm 5000L



Nebrius concolor 10 7-9 → 0 ★ 🗗 🗆 26°C sg: 1.022 300 cm 3500L



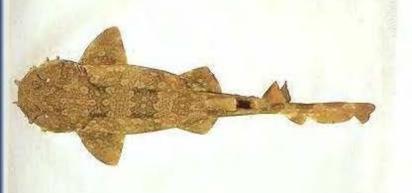
Hemiscyllium trispeculare 10 7-8 ~ 0 * In 26°C sg: 1.022 62 cm 1000L



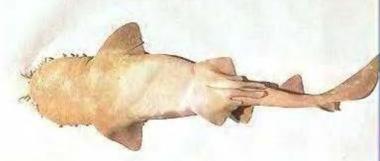
Hemiscyllium ocellatum 10 8~0火面口 26°C sg: 1.022 92 cm 1000L



Orectolobus maculatum 10 12 → 0 × 🗗 🗆 26°C sg: 1.022 320 cm 5000L



Orectolobus japonicus 10 7 ∼ € 🛠 🖬 🗔 26°C sg: 1.022 100 cm 1200L



Orectolobus japonicus 10 7 ~ € % 🚡 🗔 26°C sg: 1.022 100 cm 1200L



Orectolobus ornatus 10 8 ~ ~ ○ * □ □ 26°C sg: 1.020 215 cm 3000L



Sutorectus wardi 10 12 ~ ~ ○ * ➡ □ 24°C sg: 1.022 50 cm 500L



Eucrossorhinus dasypogon 10 7-8 ✓ 🕻 🗘 🖂 🖵 26°C sg: 1.022 120 cm 2000L

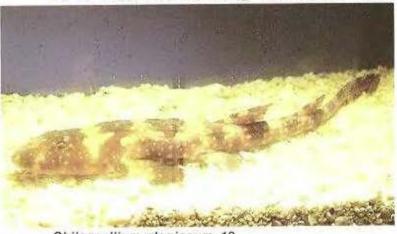


Eucrossorhinus dasypogon 10 7-8 ~ ↑ ○ 🏃 🗔 🖂 26°C sg: 1.022 120 cm 2000L



Chiloscyllium confusum 10 7-9 ~ • • ★ 🕟 🖾 25°C sg: 1.022 220 cm 3000L





Chiloscyllium plagiosum 10 7-9 ◇ → ● * ■ 🖾 25°C sg: 1.022 100 cm 2000L



Chiloscyllium punctatum 10 7~~● 大 區 区 26°C sg: 1.022 110 cm 2000L



Odontaspis taurus 11 Circumtropical < € ★ 🖾 🖾 26°C sg: 1.022 318 cm 5000L



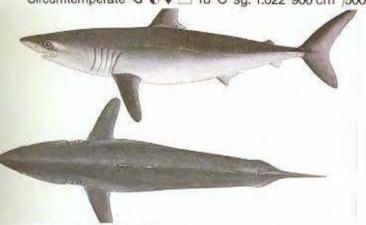
Odontaspis ferox 11 Circumtropical < ○ ★ ➡ ☲ 26°C sg: 1.022 360 cm 5000L

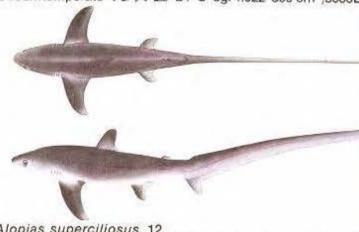


Cetorhinus maximus 12 Circumtemperate ✓ € ♥ 🗀 18°C sg: 1.022 900 cm)5000L



Isurus oxyrinchus 12 Circumtemperate → € 😕 🖾 24°C sg: 1.022 300 cm)5000L





Alopias superciliosus 12 Circumtropical → ① ★ 🖾 26°C sg: 1.022 450 cm)5000L



Halaelurus buergeri 13 7-9 ✓ √ € 🗴 📾 🗔 26°C sg: 1.022 50 cm 500L



Galeus sauteri 13 7 ~ ~ € ★ 🗗 🖃 26°C sg: 1.022 40 cm 500L



Cephaloscyllium ventriosum 13 3-4 √ √ € ★ 🖬 🖂 23°C sg: 1.023 100 cm 1500L



Mustelus henlei 14 3-4 √ ① ★ 🔙 🖾 25°C sg: 1.022 94 cm 2000L



Triaenodon apicalis 14 6, 7 \ ① ★ 🖾 🖾 26°C sg: 1.022 120 cm 3000L



Chiloscyllium punctatum 10 7 → 1 ★ 🖬 🗖 26°C sg: 1.022 110 cm 1500L



Atelomycterus macleayi 13 8 ~ ~ ● 火 ➡ ➡ 26°C sg: 1.022 62 cm 1000L



Musteius manazo 14 7 \ ○ ★ ➡ 至 26°C sg: 1.022 150 cm 3000L



Triaenodon obesus 14 7-10 - € ★ 🖾 🖾 26°C sg: 1.022 250 cm 5000L



Triakis scyllia 14 5,7~~ ○火 后 ⊟ 25°C sg: 1.022 100 cm 1200L



Triakis semifasciatus 14 4 ◇ 、 ● 史 函 ⊟ 24°C sg: 1.023 200 cm 2500L



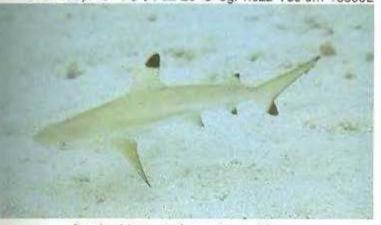
Galeocerdo cuvieri 14 Circumtrop. ~ • € * 1.022 730 cm 5000L



Carcharhinus amblyrhynchos 14 6-9

○ ※

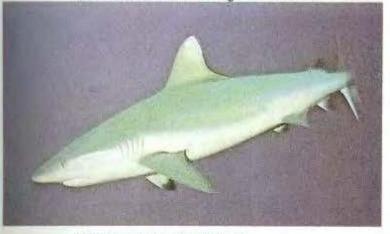
□ □ 26°C sg: 1.022 250 cm 2500L



Carcharhinus melanopterus 14 6-10 → C ★ 🗄 26°C sg: 1.020 200 cm 2000L



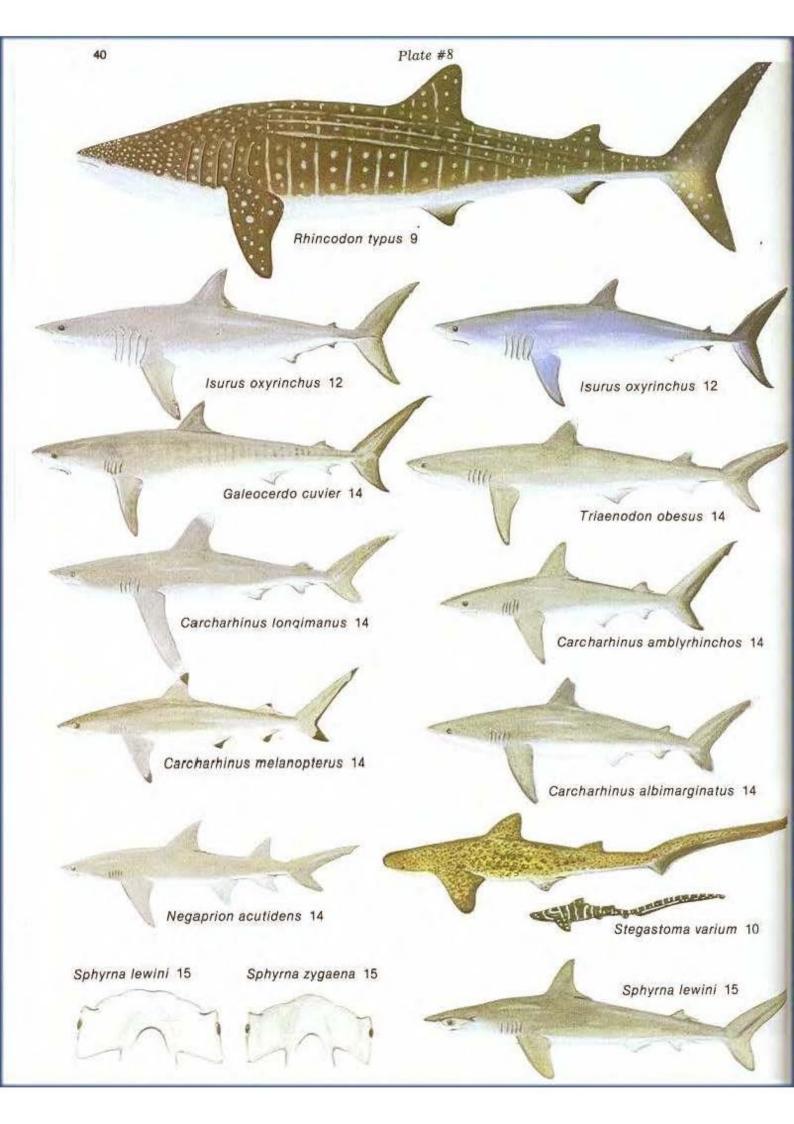
Carcharhinus plumbeus 14 Circumtrop. ~ O 🛠 🖂 26°C sg: 1.020 220 cm 2000L

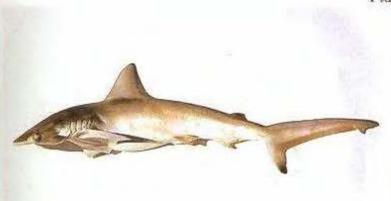


Carcharhinus wheeleri 14 9-10 、 C 火 巨 26°C sg: 1.020 170 cm 2000L

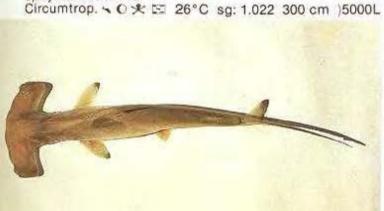


Negaprion brevirostris 14 1-2, 13 ~ ~ ○ 火 □ 26°C sg: 1.020 340 cm 3500L

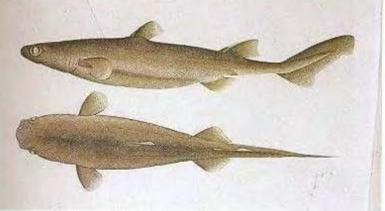




Sphyrna lewini 15 Circumtrop. ¬ ○ ★ 🖾 26°C sg: 1.022 300 cm)5000L



Sphyrna lewini 15 Circumtrop. → C 🗶 🖾 26°C sg: 1.022 300 cm)5000L



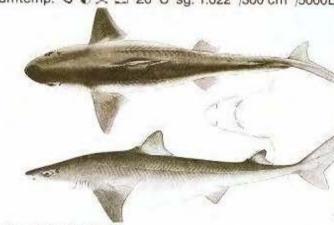
Centroscyllium ritteri 16 5 ~ ~ € 🛠 🔜 🖵 24°C sg: 1.023 100 cm 2000L



Squatina californica 18 4~~ • ○ * □ □ 21°C sg: 1.023 150 cm 2000L

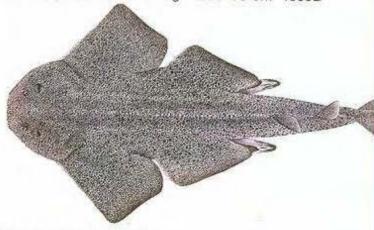


Sphyrna zygaena 15 Circumtemp. 文 6 史 区 26°C sg: 1.022)300 cm)5000L



Squalus mitsukurii 16 All oceans ~ • • ★ 🖾 🖾 26°C sg: 1.022 100 cm 2000L



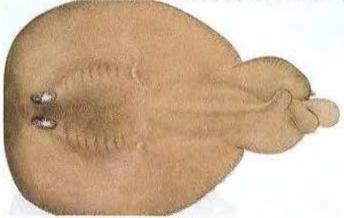


Squatina japonica 18 7 ~ • • • ★ 🗔 🖂 25°C sg: 1.022 300 cm 5000L

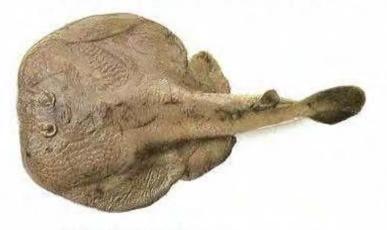
Anoxypristis cuspidata 19 6-7, 9-10 ★ ② ※ ☑ ☑ 26°C sg: 1.022 >5000L



Diplobatos ommata 20 3 ~ € % 🗔 🖵 26°C sg: 1.022 20 cm 300L



Hypnos subnigrum 20 8, 12 √ € ★ 🗔 🖂 24°C sg: 1.022 70 cm 800L



Narke japonica 20 7 ∼ √ 0 % ➡ □ 26°C sg: 1.022 40 cm 500L



Pristis pectinata 19
Trop. Atl. ¬ ○ ★ ➡ ☲ 26°C sg: 1.022 600 cm)5000L



Hypnos monopterygium 20 12 ~ € ★ 🗔 🖂 22°C sg: 1.020 70 cm 800L



Narcine brunneus 20 9 ~ ~ ○ * ➡ □ 26°C sg: 1.022 20 cm 300L



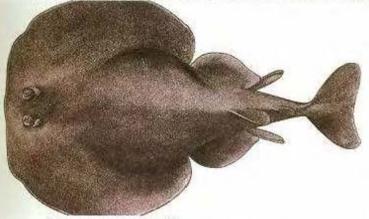
Narcine brasiliensis 20 1-2 ✓ ¬ € 🗶 🖾 🖾 26°C sg: 1.022 45 cm 500L



Torpedo nobiliana 20 1, 13-15 → • ① ★ 🗔 🚍 25°C sg: 1.022 180 cm 3500L



Torpedo sinuspersici 20 9-10 ~ ~ ○ 火 🗔 🖂 26°C sg: 1.022 130 cm 2500L



Torpedo tokionis 20 7 ~ ↑ ① 火 🗔 🖂 26°C sg: 1.022 100 cm 1500L



Trygonorhina fasciata 21 7-8 ✓ ▼ ○ ※ ➡ ➡ 26°C sg: 1.020 100 cm 1500L



Platyrhina sinensis 21 5 ~ ~ € ※ ➡ ➡ 24°C sg: 1.023 70 cm 700L



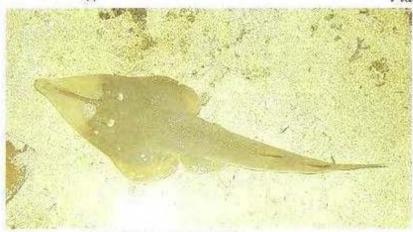
Platyrhinoidis triseriata 21 4 ~ ~ € ※ ➡ ➡ 16°C sg: 1.024 91 cm 1500L



Zapteryx exasperata 21 3 √ √ 0 % □ □ 26°C sg: 1.022 91 cm 1500L

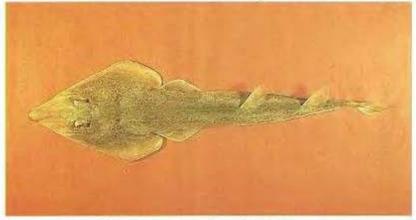


Rhinobatos productus 21 4 ~ ~ ○ ※ ➡ ☐ 18°C sg: 1.024 170 cm 3500L

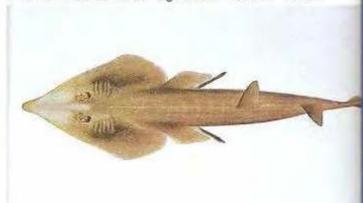




Rhinobatos formosensis 21 7 ♥ ➡ □ 26°C sg: 1.022 100 cm 1000L



Rhinobatos hynnicephalus 21 7 → 0 ♥ 🖃 🖾 26°C sg: 1.022 100 cm 1000L



Rhinobatos schlegeli 21 7,9 ~ € ♥ 🖾 🖂 26°C sg: 1.022 100 cm 1000L



Rhinobatos vincentiana 21 12 ~ € V 🗖 🗔 23°C sg: 1.024 100 cm 1000L



Raja porosa 22 7 ℃ € ₩ 🗔 🖾 26°C sg: 1.022 50 cm 500L

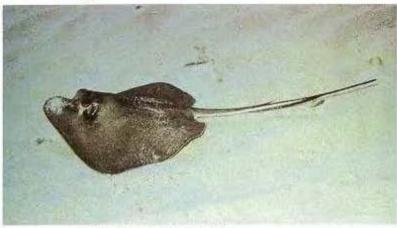




Taeniura lymma 23
7-10 → ● ♥ □ □ 26°C sg: 1.022 25 cm 250L 7-8, 12 → ● ♥ □ □ 26°C sg: 1.022 60 cm 600L

 Dasyatis hawaiiensis 22
 6 ~ ~ ~ ○ * □ □ 26°C sg: 1.022 120 cm 1500L
 Dasyatis sephen 22

 5, 7-9 ~ ~ ○ * □ □ 26°C sg: 1.022 200 cm 3500L







Urolophus aurantiacus 22 5 ~ • • ★ 🖾 🖾 24°C sg; 1.022 40 cm 800L



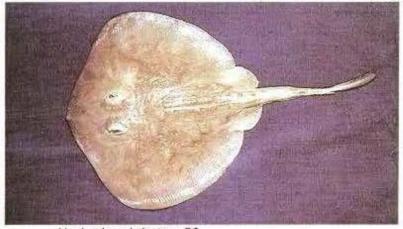
Urolophus mucosus 22 12 ~ ~ ○ * ➡ ➡ 22°C sg: 1.022 35 cm 700L



Urolophus halleri 22 3 ~ ~ € 🗶 🖂 🗁 26°C sg: 1.022 56 cm 800L



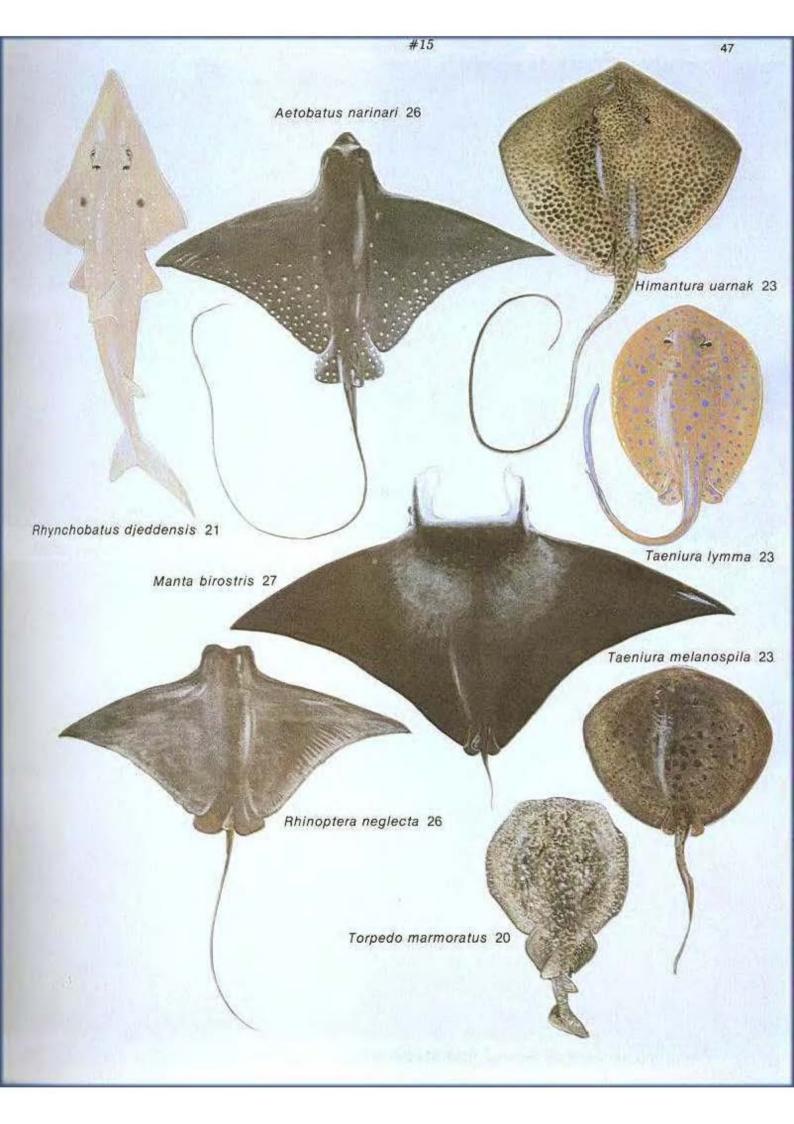
Urolophus jamaicensis 22 2 → 1 ○ ★ 🗔 🖂 26°C sg: 1.022 62 cm 800L

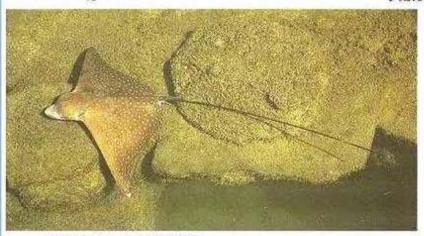


Urolophus lobatus 22 12 ~ ~ ① 火 □ 23°C sg: 1.024 200 cm 3500L



Urolophus concentricus 22 3 ~ • € ※ 🗔 🖵 26°C sg: 1.022 45 cm 800L

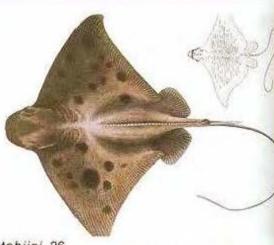




Aetobatus narinari 26 Circumtrop. ✓ ✓ € № 🖾 26°C sg: 1.022 230 cm)5000L



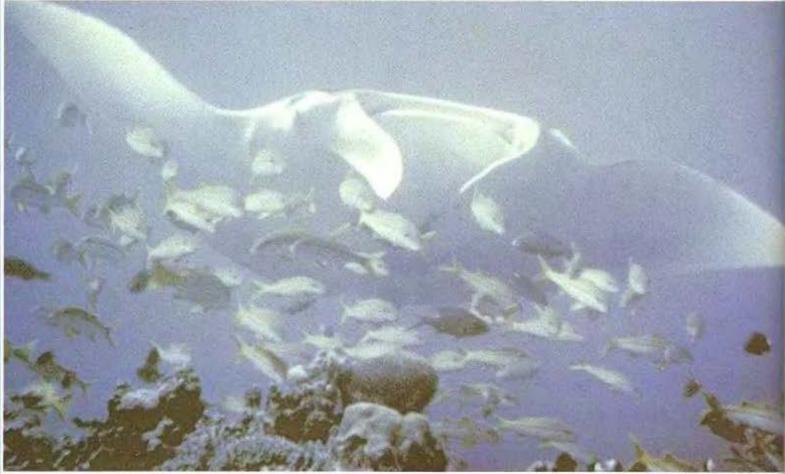
Mobula diabolis 27 7-12 ✓ 🕻 🗘 🕶 26°C sg: 1.022 178 cm)5000L



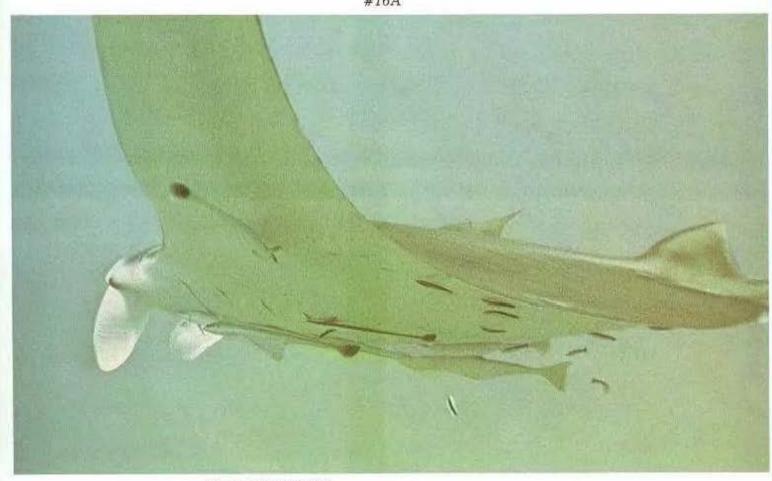
Myliobatis tobijel 26 7 ~ ~ ○ ★ 🖾 26°C sg: 1.022 130 cm 4000L



Manta hamiltoni 27 3, 6-9 ~ ~ • ♥ 🖾 26°C sg: 1.022 670 cm)5000L

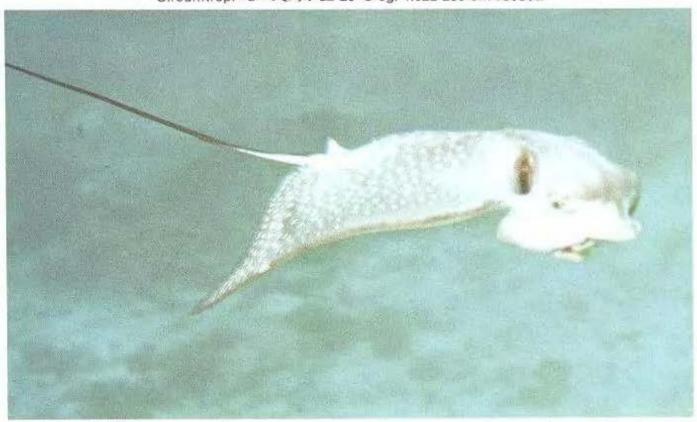


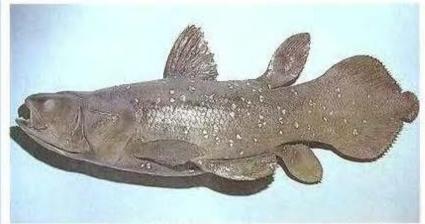
Manta birostris 27 Circumtrop. ~ • • ▼ 🖾 26°C sg: 1.022 670 cm)5000L



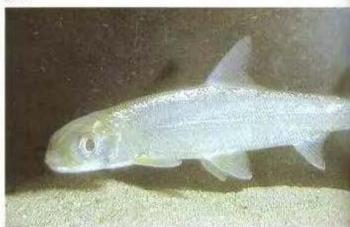
Manta birostris 27 Circumtrop. ~ • • ▼ ⊠ 26°C sg: 1.022 670 cm >5000L

Aetobatus narinari 26 Circumtrop. ◇ ▼ ▼ ☑ 26°C sg; 1.022 230 cm >5000L

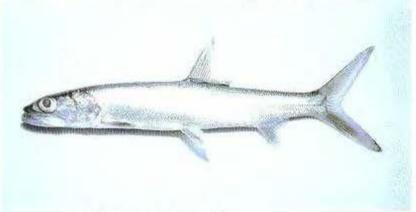




Latimeria chalumnae 31 9 ★ ● 米 🖬 💷 21°C sg: 1.023 135 cm)5000L



Elops hawaiiensis 43 6, 7 \ € ♥ ➡ 🖾 26°C sg; 1.022 60 cm 1500L



Elops machnata 43 6-9 √ (♥ 🖾 🖾 26°C sg: 1.022 80 cm 2000L



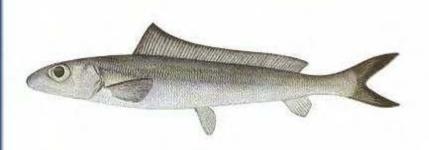
Megalops atlanticus 44 2, 13 ★ ① ★ 🔜 🖾 26°C sg: 1.018 240 cm 5000L



Megalops cyprinoides 44 12 > € 🛠 🖾 🖾 26°C sg: 1.018 150 cm 2500L



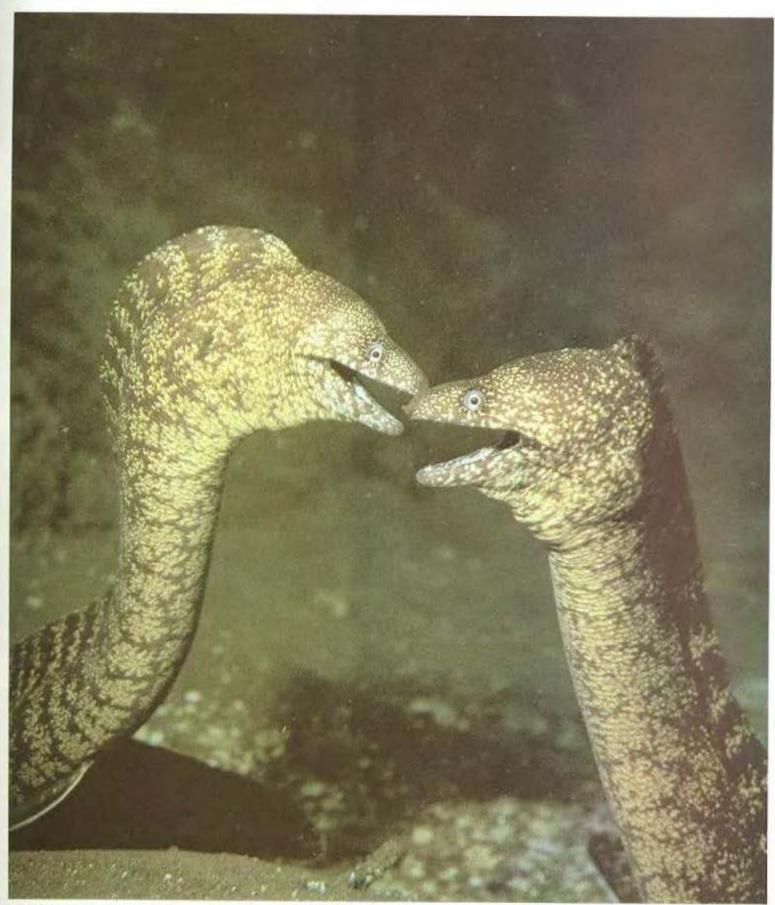
Megalops atlanticus 44 2, 13 < € 🛠 🖾 🖾 26 °C sg: 1.018 240 cm 5000L



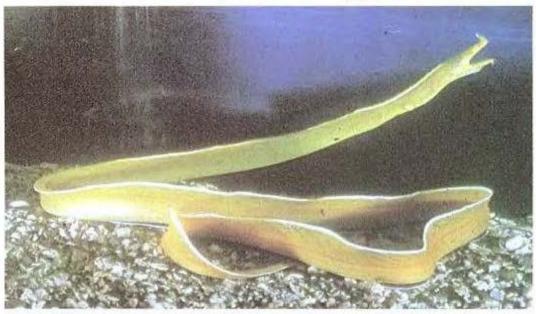
Pterothrissus gissu 45 5 ~ ○ * ➡ ☱ 24°C sg: 1.023 60 cm 1500L



Albula vulpes 45 Circumtrop. ≺ ○ ★ 🖼 😑 26°C sg: 1.018 60 cm 1500

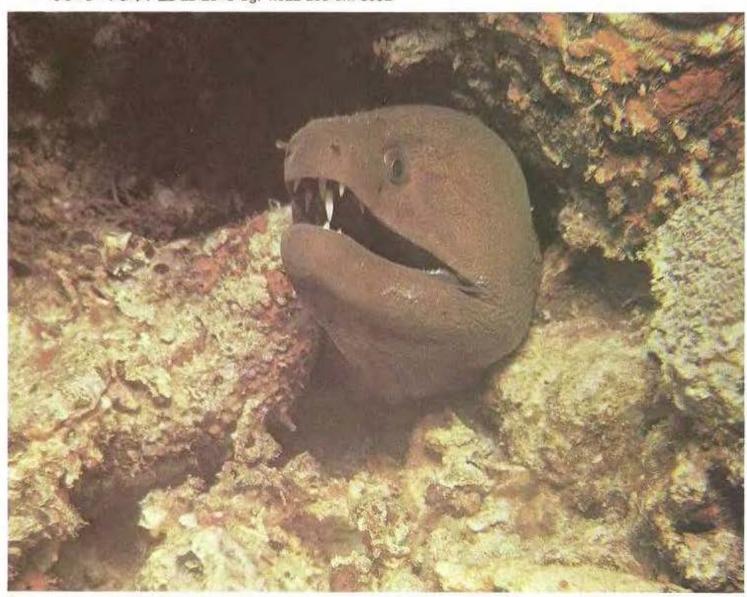


Gymnothorax kidako 54 5,7 √ √ • ★ 🕞 🖂 26°C sg: 1.022 80 cm 400L



Rhinomuraena quaesita 54 7 ∼ √ 0 № 🖬 🗆 26°C sg: 1.022 120 cm 1000L

Gymnothorax sp. 54 6-9 ~ ~ ● 米 📾 🗔 26°C sg: 1.022 200 cm 800L





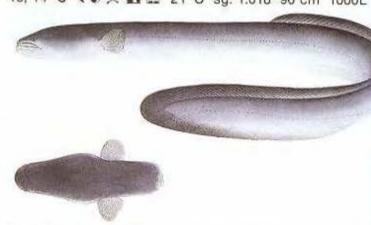
Anguilla dieffenbachii 49 11-12 ◇ → ⑤ 火 🚡 🖂 24°C sg: 1.018 90 cm 1000L



Anguilla anguilla 49 13, 14 ~ 、 ● 米 🕞 🗔 21°C sg: 1.018 90 cm 1000L



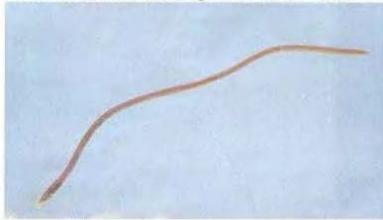
Anguilla japonica 49 5 ~ ~ • ★ 🗗 🖵 22°C sg: 1.018 100 cm 1000L



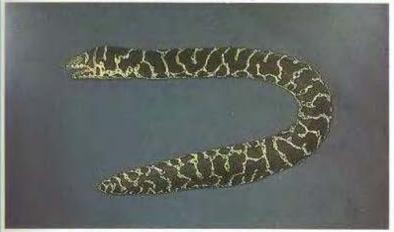
Anguilla australis 49 12 ~ ~ ● 火 區 □ 23°C sg: 1.018 100 cm 1000L



Moringa microchir 51 7, 9 → 0 ♥ 🕞 🗔 26°C sg: 1.020 39 cm 400L



Muraenichthys sp. 58 6,7 ~ ~ • • ■ □ 26°C sg: 1.020 30 cm 300L



Echidna catenata 54 2 ~ ~ ● 米 🗟 🖾 26°C sg: 1.020 70 cm 500L



Echidna pozyzona 54 7 √ √ ♦ 🛠 🔂 🛄 26°C sg: 1.022 60 cm 500L

Gymnothorax woodwardi 54 12 ~ ~ • ★ 🖾 🗀 26°C sg: 1.022 75 cm 500L

Gymnothorax thyrsoideus 54 7 ∼ √ № 📠 🗔 26°C sg: 1.022 80 cm 500L



Gymnothorax flavimarginatus 54 3,6-9 ✓ • ★ 🖼 🖂 26°C sg: 1.022 100 cm 500L



Gymnothorax moringa 54 2 → → • * 🕞 🗔 26°C sg: 1.022 70 cm 400L



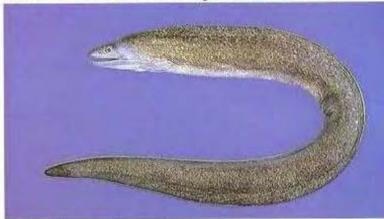
Gymnothorax castaneus 54 3 √ √ ♦ 🛠 🖬 🗔 26°C sg: 1.022 120 cm 500L



Gymnothorax panamensis 54 3 ~ • • ★ 🗗 26°C sg: 1.022 30 cm 200L



Siderea picta 54 6-9 √ √ 1 ★ 1 26°C sg: 1.022 68 cm 400L



Gymnothorax vicinus 54 2 ∼ √ ♥ ★ 🖬 🖂 26°C sg: 1.022 120 cm 500L



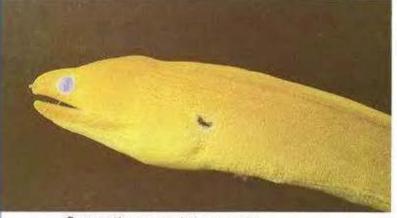
Gymnothorax funebris 54 1, 2 ~ 5 ~ ♦ 火 📠 🗔 26°C sg: 1.022 240 cm 800L



Gymnothorax mordax 54 3-4 ~ • • ★ 🖬 🖵 24°C sg: 1.023 200 cm 800L



Gymnothorax flavimarginatus 54 3, 6-9 ✓ ✓ ♦ 🗶 🖬 🖂 26°C sg: 1.022 80 cm 400L



Gymnothorax melatremus 54 9~~●火 ➡ ⊒ 26°C sg; 1.022 26 cm 120L



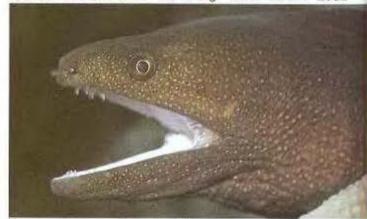
Gymnothorax nudivomer 54 6, 10 ~ ~ • № 🖼 🗔 26°C sg: 1.022 100 cm 400L



Gymnothorax flavimarginatus 54 3, 6-9 ✓ 🛪 🔖 🔀 🖂 26°C sg: 1.022 80 cm 400L



Gymnothorax margaritophorus 54 7,9 ✓ √ ● ※ 📾 🗔 26°C sg: 1.022 36 cm 200L



Gymnothorax meleagris 54 7,9 √ √ ® ★ 🖼 26°C sg: 1.022 90 cm 400L



Gymnothorax permistus 54 9 ~ ~ • ★ 🖬 🗔 26°C sg: 1.022 75 cm 300L

Gymnothorax sp. 54 12 ▽ ▼ ● 火 m □ 26°C sg: 1.022 60 cm 300L



Gymnothorax leucostigma 54 5, 7 ~ • ★ 🖾 🗆 26°C sg: 1.022 100 cm 500L



Gymnothorax nubilis 54 11 √ √ ♦ ⊁ 🙉 🗔 26°C sg: 1.022 50 cm 500L



Gymnothorax kidako 54 5, 7 √s √ ♥ ※ 📠 🗆 26°C sg: 1.022 80 cm 400L



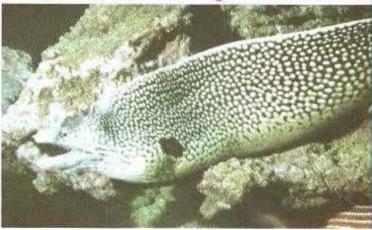
Gymnothorax obesus 54 11 ◇ 5 → ● 米 函 □ 24°C sg: 1.024 178 cm 2000L



Gymnothorax prionodon 54 11-12 → • ★ 🗗 24°C sg: 1.024 80 cm 800L



Gymnothorax ramosus 54 11 ~ 5 ~ ● ★ 📠 🗔 24°C sg: 1,024 80 cm 800L



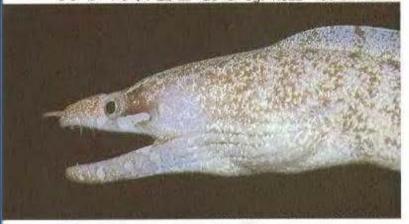
Muraena melanotis 54 13 √ √ ♦ 🛠 🗗 🗆 26°C sg: 1.022 140 cm 1400L



Siderea picta 54 6-9 ◇ ▼ ◆ * ★ 🗔 26°C sg: 1.022 68 cm 300L



Gymnothorax undulatus 54 6-9 ~ • ● ※ 📠 🗆 26°C sg: 1.022 150 cm 500L



Gymnothorax zonipectus 54 6.9 ◇ ▼ ★ 🖼 □ 26°C sg: 1.022 31 cm 100L



Gymnothorax flavimarginatus 54 3, 6-9 ✓ ✓ ♥ ★ 🖬 🔲 26°C sg: 1.022 80 cm 400L



Gymnothorax favagineus 54 6-9 ✓ ★ € 💢 🖂 26°C sg: 1.022 250 cm 800L



Gymnothorax flavimarginatus? 54 3, 6-9 ✓ ¬ ♠ 🗶 📠 🗔 26°C sg: 1.022 80 cm 400L

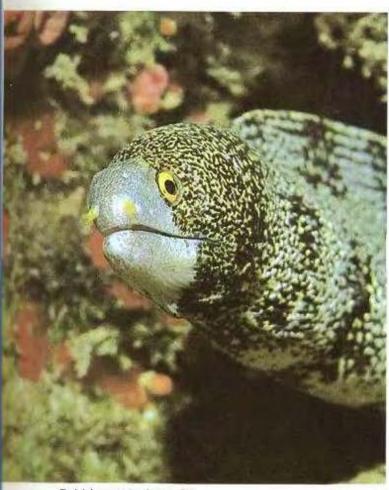


Gymnothorax prasinus 54 12 ✓ → ♠ 🗶 🖬 🗔 26°C sg: 1.022 30 cm 100L



Muraena pardalis 54 6-9 ~ • • ★ 🖬 🗔 26°C sg: 1.022 100 cm 400L

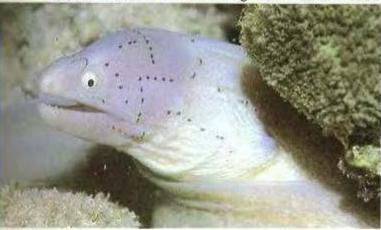
#24 59



Echidna nebulosa 54 6-9 ~ → • * ★ 🖬 🗆 26°C sg: 1.022 70 cm 300L



Gymnothorax breedeni 54 6-9 ~ √ • ★ 🖬 🗆 26°C sg: 1.022 65 cm 300L





Echidna nebulosa 54 6-9 ~ ~ ● ※ ➡ □ 26°C sg: 1.022 70 cm 300L



Enchelycore bayeri 54 7,9 ~ ~ ● 米 🖬 🗔 26°C sg: 1.022 70 cm 300L



Gymnothorax favagineus 54 6-9 ~ • ★ 🗗 🗀 26°C sg: 1.022 250 cm 2500L



Gymnothorax javanicus 54 6-10 ✓ ¬ • ★ 🗗 🗆 26°C sg: 1.022 250 cm 1000L

Gymnothorax javanicus 54
6-10 ✓ 🛪 🖎 🚾 🖃 26°C sg: 1.022 250 cm 1000L 11 ✓ 🛪 0 🔻 🖾 🖾 26°C sg: 1.022 100 cm 400L





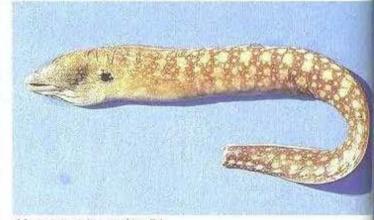
Muraena melanotis 54 13~~ 0 火 面 🗆 26°C sg: 1.022 100 cm 400L



Muraena helena 54 13 ~ • • • № 🖾 26°C sg: 1.022 50 cm 400L



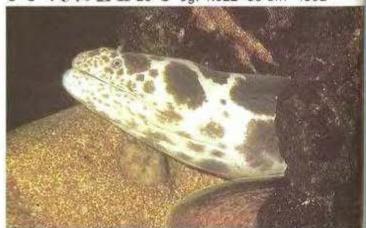
Muraena lentiginosa 54 3 ~ ~ ● 🗴 🔂 🗆 26°C sg: 1.022 60 cm 400L



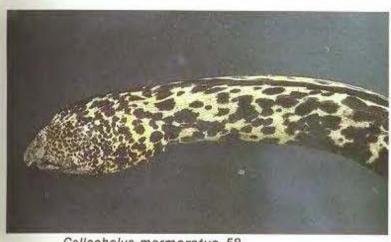
Muraena clepsydra 54 3~~ 0 % m □ 26°C sg: 1.022 50 cm 400L



Muraena miliaris 54 2, 13 ~ ~ € * 📠 🗆 26°C sg: 1.022 60 cm 400L



Uropterygius tigrinus 54 6 ∼ √ € ₺ 🗔 26°C sg: 1.022 120 cm 800L



Callechelys marmoratus 58 6.9 √ √ ⊕ № 🖾 🖂 26°C sg: 1.022 57 cm 600L



Pisodonophis cancrivorus 58 7,9 → • • ★ 🖼 🗆 25°C sg: 1.022 100 cm 1000L



Muraenichthys tasmaniensis 58 12 ~ ~ ● * 📠 🗔 25°C sg: 1.023 35 cm 300L



Leiuranus semicinctus 58 6-9 ~ ↑ • ★ 🖬 🖃 26°C sg: 1.022 60 cm 500L



Myrichthys aciminatus 58 2 √ √ √ ★ 🖼 🗆 26°C sg: 1.022 102 cm 1000L





Myrichthys maculosus 58 3, 6.9 √ √ № № □ 26°C sg: 1.022 100 cm 1000L



Myrichthys oculatus 58 2 ~ • • ★ 🔂 🗆 26°C sg: 1.022 100 cm 1000L

Ophichthus ophis 58 1-2 ~ ~ € 🖈 🗔 🗔 24°C sg: 1.022 122 cm 1200L



Apterichtus ansp 58 2 ~ ~ € 🖾 🖾 25°C sg: 1.022 54 cm 500L



Ophichthid eel 58



Quassiremus notochir 58 3 ~ ~ ○ 火 🗔 = 26°C sg: 1.022 85 cm 1000L



Sphagebranchus flavicauda 58 7 ✓ € ♥ ☐ 25°C sg: 1.022 30 cm 300L



Aprognathodon platyventris 58 2 ~ ~ ● * 🗔 🖂 26°C sg: 1.022 23 cm 300L



Gnathophis nystromi 62 5,7~~(火 🖾 🗆 26°C sg: 1.022 45 cm 450L



Anago anago 62 2 ~ ~ € * 🖂 🖂 26°C sg: 1.022 45 cm 500L 6-9 ~ ~ € * 🖾 🖂 26°C sg: 1.022 60 cm 600L



Conger japonicus 62 5 ~ ~ • ★ 🖾 🗆 26°C sg: 1.022 240 cm 2500L



Conger cinereus 62 7,9 ~ • • ★ 🖾 🖾 26°C sg: 1.022 103 cm 1000L



Heteroconger halis 62 2 ◇ 、 ● 火 廊 □ 26°C sg: 1.022 51 cm 500L



Taenioconger digueti 62 3 ◇ ★ ● 米 函 □ 26°C sg: 1.022 63 cm 600L



Ariosoma impressa 62 2 ~ ~ • * ★ 🖬 🗔 26°C sg: 1.022 18 cm 200L





Gorgasia preclara 62 7,9~~、●火 配 □ 26°C sg: 1.022 40 cm 400L



Taenioconger sp 62 7 ~ ~ ○ * ➡ □ 26°C sg: 1.022 30 cm 300L



Rhinomuraena quaesita 54 7 ∼ √ • ★ 🖬 🗔 26°C sg: 1.022 120 cm 1000L



Myrichthys maculosus 58 3, 6-9 → • ★ 📠 🗆 26°C sg: 1.022 100 cm 1000L



Gorgasia preclara 62 7, 9 ~ √ 6 ★ 🗖 🗆 26°C sg: 1.022 40 cm 400L



Gorgasia maculata 62 9 ~ ~ ● ※ 📠 🗔 26°C sg: 1.022 25 cm 300L



Rhinomuraena quaesita 54 7 ~ ~ 0 % ➡ ⊒ 26°C sg: 1.022 120 cm 1000L



Brachysomophis cirrhochellus 58 7,9 ◇ → ① 火 區 □ 26°C sg: 1.022 110 cm 1200L

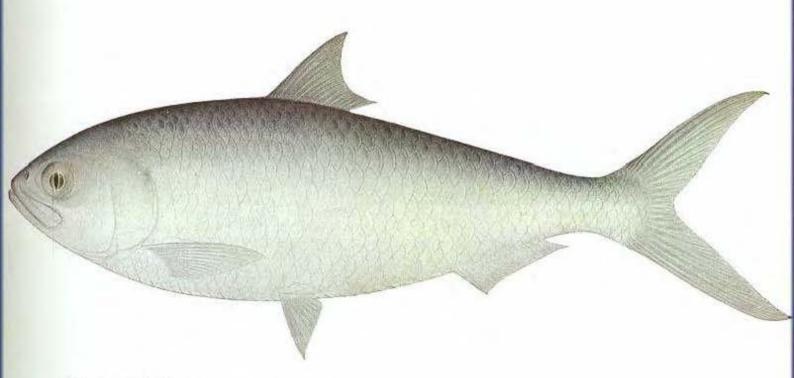


Taenioconger hassi 62 7, 9 ∿ √ ① № ☐ 26°C sg: 1.022 36 cm 400L

#30

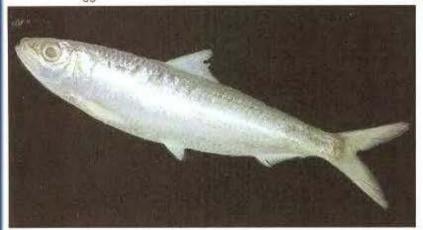


Dussumieria hasselti 69 7 ∼ € ♥ 🖾 🖾 26°C sg: 1.022 15 cm 200L

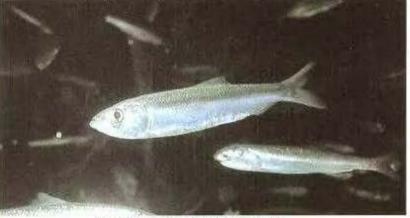


Hilsa reevesii 69 7 ∼ € ♥ 🖾 🖾 26°C sg: 1.022 25 cm 250L

66 #30A



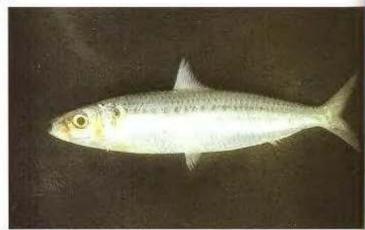




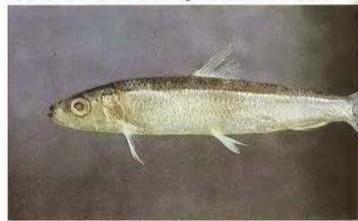
Clupea harengus pallasi 69 4-7 ○ ♥ ➡ ত 26°C sg: 1.022 35 cm 400L



Sardinella cf jussieu 69 7-10 <> € ♥ ➡ ₾ 26°C sg: 1.022 18 cm 200L



Amblygaster sirm 69 7, 9 ★ • ★ □ 26°C sg: 1.022 25 cm 300L



Spratelloides robustus 69 8, 12 ~ C ♥ ➡ ➡ 26°C sg: 1.022 10 cm 100L



Etrumeus teres 69 Circumtrop. ◇ ♥ 🕳 🗔 26°C sg: 1.022 30 cm 300.



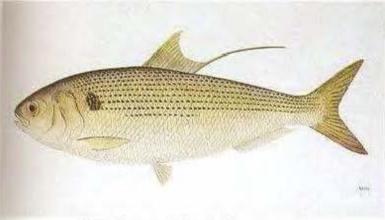
Jenkinsia sp. 69 2 ~ ○ ♥ 🖾 🗔 26°C sg: 1.022 7 cm 80L



Anodontostoma chacunda 69 7,9 √s € ♥ ➡ ₺ 26°C sg: 1.022 17 cm 200L



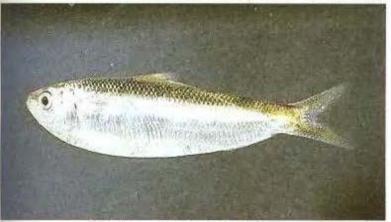
Dorosoma petenense 69 1-2 ~ € ♥ 🗔 🖾 24°C sg: 1.023 22 cm 250L



Konosirus punctatus 69 5-9 ~ € ♥ 🖾 🖾 24°C sg: 1.023 30 cm 300L



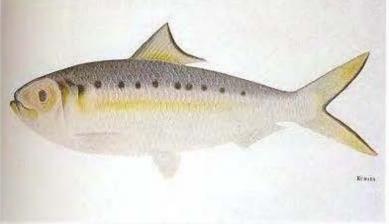
Nematalosa japonica 69 5, 7 ∼ € ♥ 🖾 🖾 22°C sg: 1.024 25 cm 300L



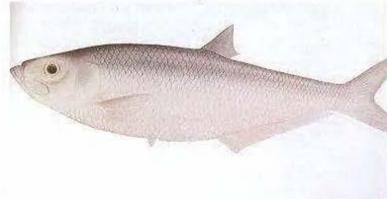
Opisthonema libertate 69 3 ∿ € ♥ 🔙 🖾 26°C sg: 1.022 23 cm 200L



Opisthopterus tartoor 69 3, 6-9 ~ € ♥ 🖃 🖹 26°C sg: 1.022 23 cm 250L

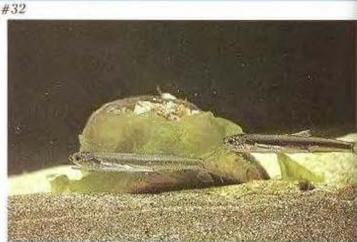


Harengula koningsbergeri 69 7 ∼ € ♥ 🖾 26°C sg: 1.022 13 cm 150L



Ilisha elongata 69 7, 9 **⋄** € ♥ **□** № 26°C sg: 1.022 30 cm 300L

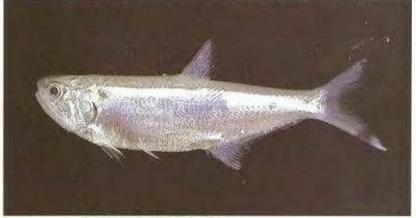
Engraulis mordax 70 4 ℃ € ♥ № № 22°C sg: 1.024 13 cm 150L



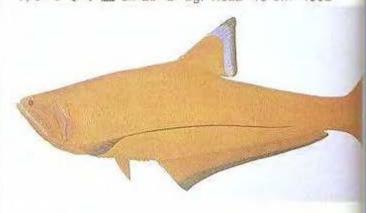


Engraulis japonicus 70 5, 7, 9 < ▼ ▼ ➡ ☲ 26°C sg: 1.022 13 cm 150L

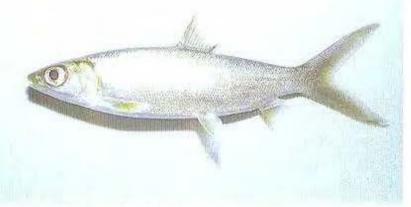




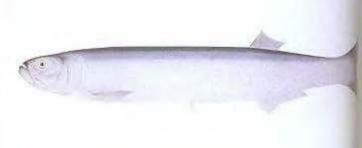
Thryssa hamiltoni 70 7-9, 12 √r (♥ 🚍 🔄 25°C sg: 1.022 25 cm 250L



Setipinna breviceps 70 5, 7, 9 → • • □ □ 25°C sg: 1.022 15 cm 150L



Chanos chanos 72 5-10 √ √ (★ 📥 🖾 26°C sg: 1.022 180 cm 2000L



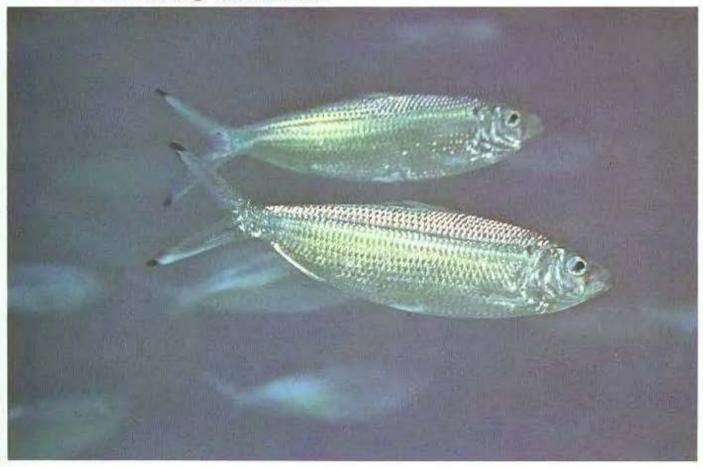
Chirocentrus nudus 71 7, 12 √ € ♥ ➡ ☱ 26°C sg; 1.022 45 cm 500L

#32A



Engraulis mordax 70 4 ~ € € ♥ 🖼 🖾 22°C sg: 1.024 13 cm 150L

Opisthonema oglinum 69 2 ∼ € ♥ ➡ ⊠ 26°C sg: 1.022 30 cm 300L





Aulopus purpurissatus 153 7-8, 12 ✓ → ♠ 🏃 🔙 🖂 26°C sg: 1.022 60 cm 600L

Synodus sp. 157 2 ~ € 🛠 🚾 🖾 26°C sg: 1.022 30 cm 300L



72 #34A



Cociella crocodila 269 5, 7-10 ✓ 、 ○ 火 🖂 🖂 26°C sg: 1.022 25 cm 300L



Aulopus purpurissatus 153 7-8, 12 ~ ↑ • ★ 🗔 🗀 26°C sg: 1.022 60 cm 600L



Saurida gracilis 157 7-10 ~ 、 ○ * 🗔 🗔 26°C sg: 1.023 20 cm 200L





Platycephalus haackei 269 7-8 ~ • € ★ 🗔 🖂 26°C sg: 1.022 40 cm 400L



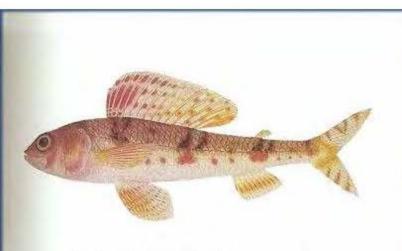
Aulopus purpurissatus 153 7-8, 12 → • • * 🖾 🖾 26°C sg: 1.022 60 cm 600L



Synodus jaculum 157 7,9 ~ ~ ○ * ➡ ➡ 26°C sg: 1.022 15 cm 150L



Synodus variegatus 157 6-7 ✓ 🕻 🗘 🖾 🗀 26°C sg: 1.022 22 cm 200L



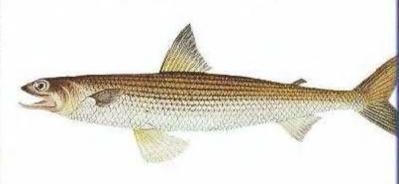
Aulopus japonicus 153 5 ~ ~ ● 火 🗔 🖂 24°C sg: 1.023 20 cm 200L



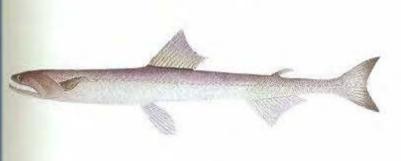
Saurida dermatogenys 157 6 ~ ~ € 😕 🖾 🖸 26°C sg: 1.022 30 cm 300L



Trachinocephalus myops 157 Circumtrop. ~ • ○ ★ 🖾 🖂 26°C sg: 1.022 30 cm 300L



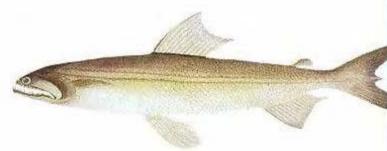
Saurida undosquamis 157 7-10 ~ ~ • ★ 🛌 🗆 26°C sg: 1.022 30 cm 300L



Harpadon microchir 157 5 ~ ~ € 🛠 🔤 🖾 24°C sg: 1.023 50 cm 500L



Synodus synodus 157 2, 13 ~ ~ ○ × □ □ 26°C sg: 1.022 30 cm 300L



Harpadon translucens 157 7, 9 ✓ √ 0 😕 🖾 🖾 26°C sg: 1.022 60 cm 600L



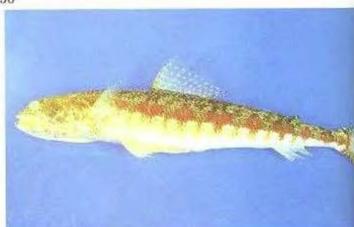
Synodus intermedius 157 1-2 ~ ↑ ① 火 🖂 🖂 24°C sg: 1.023 45 cm 500L







Synodus synodus 157 2, 13 ✓ ¬ • ★ 🗔 □ 26°C sg: 1.022 30 cm 300L



Synodus engelmani 157 6-9 ✓ 🕻 🗘 🗔 26°C sg; 1.022 20 cm 200L



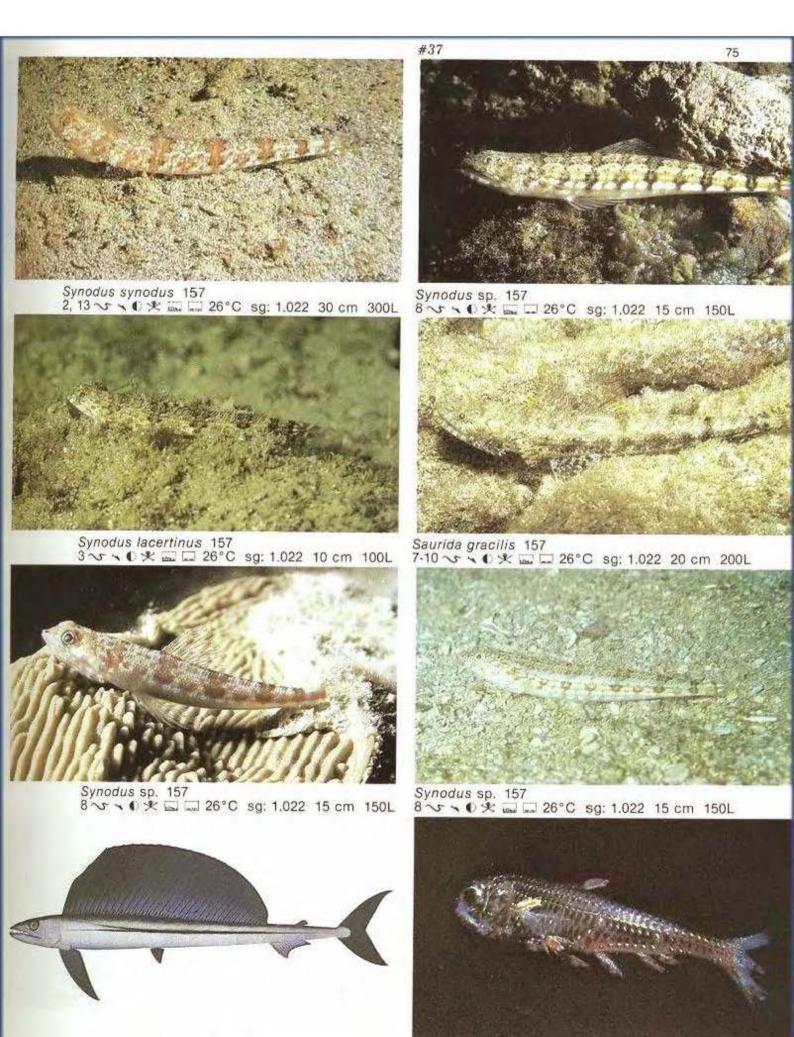
Saurida normani 157 1-2 ~ ~ 0 % ■ □ 26°C sg: 1.022 25 cm 300L



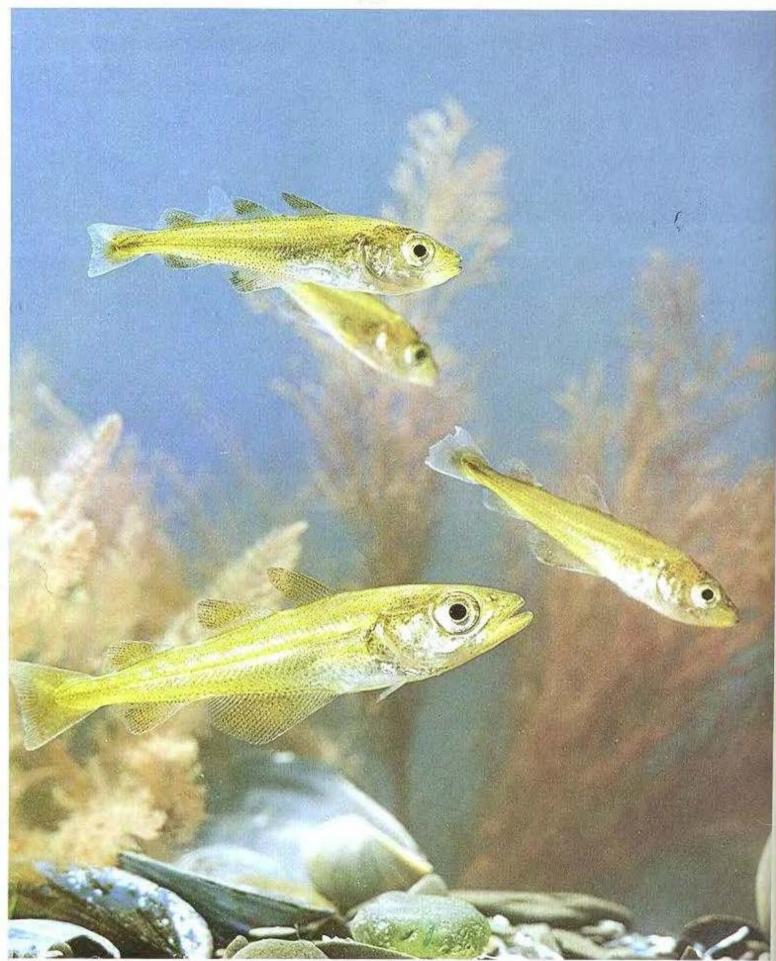
Synodus poeyi 157 1-2 ✓ ✓ ♦ 🗱 🖾 🖾 24°C sg: 1.023 30 cm 300L



Synodus intermedius 157 1-2 → • ○ 火 □ □ 24°C sg: 1.023 45 cm 500L



Alepisaurus borealis 163 Myctophid 166 3, 6-7 < € ★ 🖹 20°C sg: 1.024 300 cm 3000L All Oceans 🤝 € ▼ 📠 🖾 22°C sg: 1.023 10 cm 100L



Pollachius pollachias 174 14 ◇ → ♠ 🏃 🗗 🗔 20°C sg: 1.024 52 cm 500L



? Lotella sp. 171 12 ~ ~ ○ ★ 🗗 🗆 23°C sg: 1.024 50 cm 500L



Lotella fuliginosa 171 12 ~ € ♥ 🗗 🗆 24°C sg: 1.024 10 cm 100L



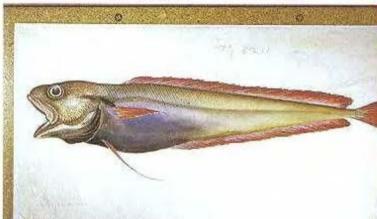
Lotella rhacinus 171 11 ✓ • • • □ ≥ 6 □ 22°C sg: 1.024 45 cm 500L



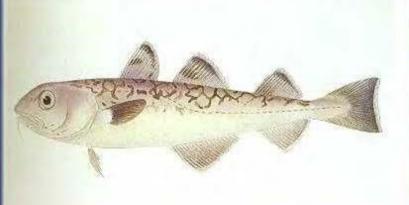
Physiculus maximowiczi 171 5 ~ € ♥ 🖪 🗔 23°C sg: 1.024 10 cm 100L



Pseudophycis breviusculus 171 12 ~ € ♦ 🖬 🗆 24°C sg: 1.024 7 cm 80L



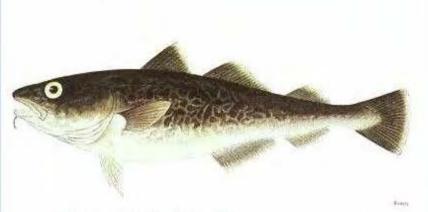
Physiculus sp. 171 ?7 ~ € ♥ 🖬 🗆 26°C sg: 1.022 25 cm 250L



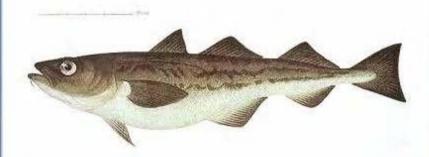
Eleginus gracilis 174 5 ~ € ♥ 🗗 🗔 22°C sg: 1.024 10 cm 100L



Pollachius pollachius 174 14 ~ ~ ● * ■ □ 20°C sg: 1.024 52 cm 500L



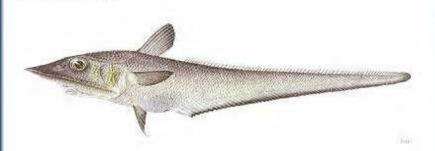
Gadus macrocephalus 174 1, 4-5 √ √ ♦ 🖈 🖬 🗆 23°C sg: 1.024 100 cm 1000L



Theragra chalcogramma 174 5 → ★ ★ 📠 🗆 26°C sg: 1.024 10 cm 100L



Gaidropsarus ensis 174 1-2 ∼ → • ★ 📠 🗔 26°C sg: 1.022 30 cm 300L



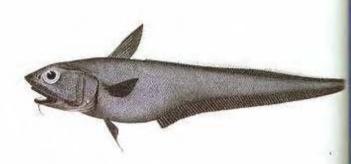
Coelorhinchus tokiensis 176 5 ~ • ★ 🗗 🗆 24°C sg: 1.023 10 cm 100L



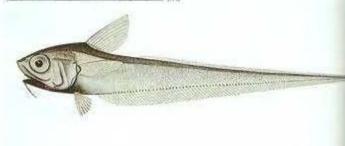
Gadus morhua 174 1, 14 √ √ ♦ 🛠 📠 🗔 22°C sg: 1,024 150 cm 1500L



Urophycis chuss 174 1 ~ • • ★ 🖈 🗔 22°C sg: 1.024 52 cm 500L



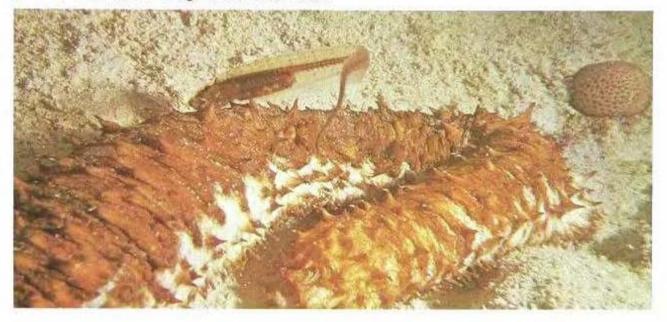
Coryphaenoides asper 176 5 ◇ 5 ◇ ● 果 函 □ 23°C sg: 1.024 10 cm 100L

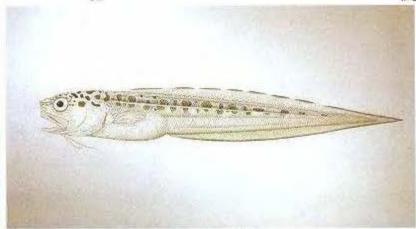




Onuxodon margaritiferae 178 7, 9 ∽ € ♥ 🚾 🗔 26°C sg: 1.022 9 cm 100L

Carapus bermudensis 178 2 ~ € ♥ № □ 26°C sg: 1.022 20 cm 200L

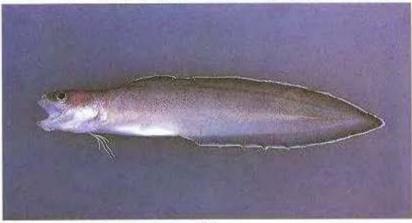




Lepophidium sp. 177 3 ~ ↑ ↑ ★ 🔙 🖂 26°C sg: 1.022 25 cm 300L



Lepophidium prorates 177 3 → 1 火 📖 🗆 26°C sg: 1.022 27 cm 300L



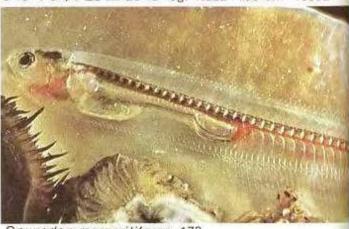
Brotula barbata 177 6-10 ★ ① ※ ➡ ☐ 26°C sg: 1.022 100 cm 1000L



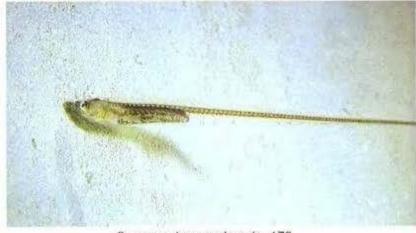
Brotula multibarbata 177 6-10 → ♦ ★ 📠 🗔 26° C sg: 1.022 100 cm 1000L



Chilara taylori 177 3 → 1 → 26°C sg: 1.022 36 cm 400L



Onuxodon margaritiferae 178 7, 9 → • • □ 26°C sg: 1.022 9 cm 100L



Carapus bermudensis 178 2 ~ • • ▼ 🚾 🗆 26°C sg: 1.022 20 cm 200L



Carapus homei 178 8 ~ € ♥ № □ 26°C sg: 1.022 17 cm 200L



Encheliophis gracilis 178 7,9 → • ★ = 26°C sg: 1.022 30 cm 300L



Stygnobrotula latibricola 179 2 ✓ € ♥ ♠ = 26°C sg: 1.022 8 cm 80L



Dinematichthys dasyrhynchus 179 12 → (▼ 12 24°C sg: 1.023 8 cm 100L



Brotulina fusca 179 7, 9 ♥ • ■ 26°C sg: 1.022 12 cm 120L



Brotula erythrea? 179 7 → • • □ □ 26°C sg: 1.022 12cm 150L

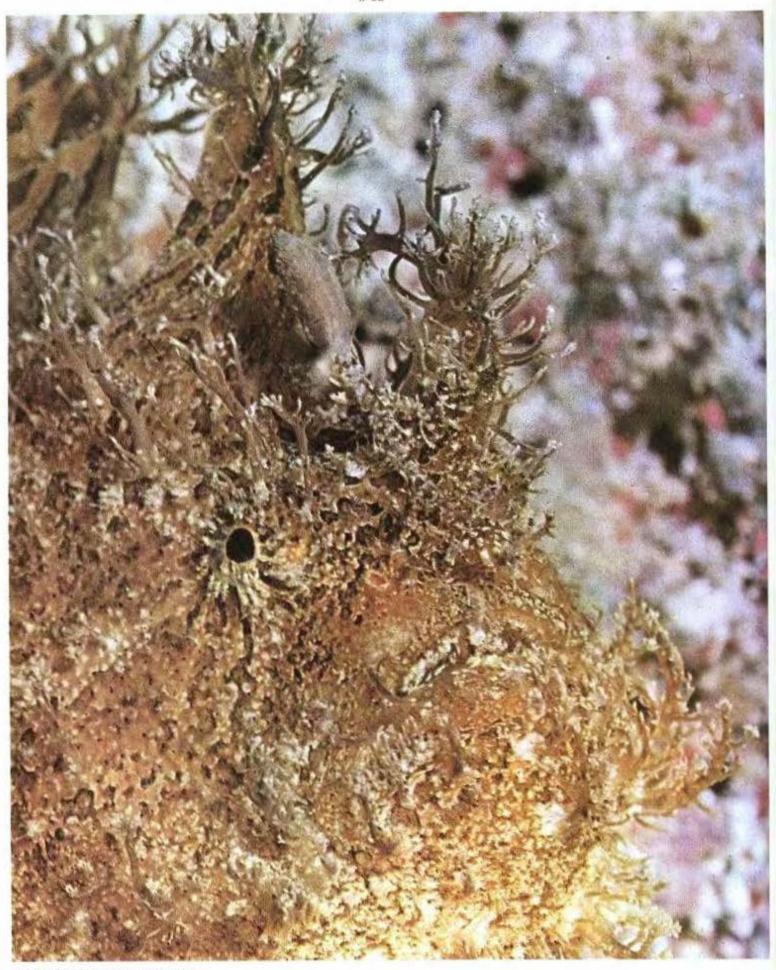




Brosmophycis marginata 179 3-4 ❤ € 🛠 🖃 🗔 26°C sg: 1.022 46 cm 500L



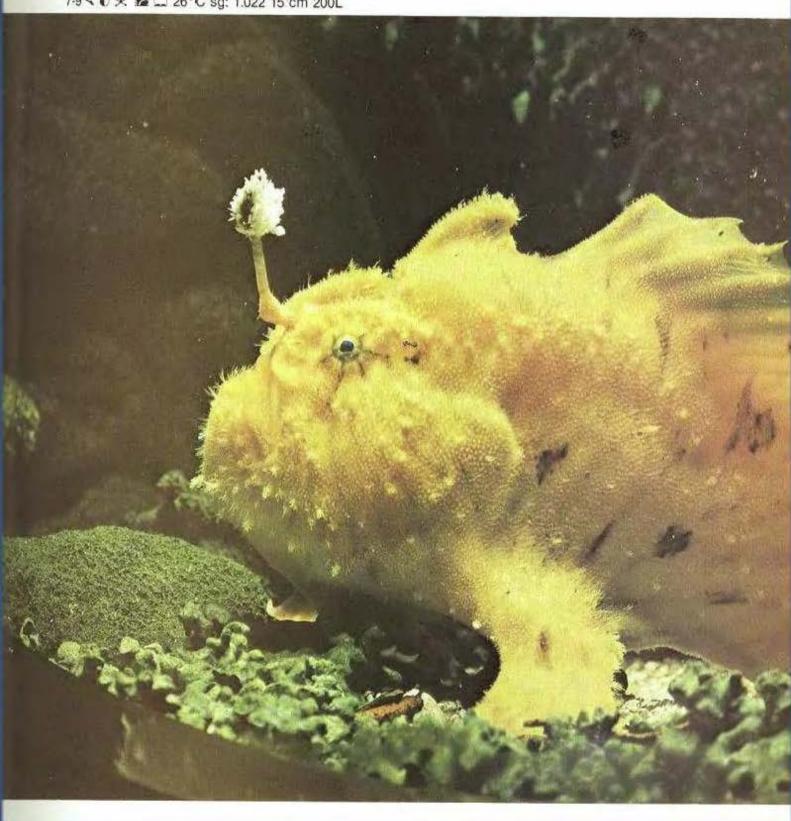
Ogilbia sp. 179 3 √ € ♥ = = 26°C sg: 1,022 10 cm 100L



Antennarius striatus 183 1, 2, 6-13 ≺ € 🛠 🖼 🖂 26°C sg: 1.022 15.5 cm 200L

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Antennarius hispidus 183 7-9 > € 🛠 🚾 🗔 26°C sg: 1.022 15 cm 200L





Halophryne diemensis 181 7-9 √ √ 1 🛠 🎉 🗔 26°C sg: 1.022 30 cm 300L





Sanopus splendidus 181 2 ~ ~ • ★ 🖬 🗆 26°C sg: 1,022 20 cm 200L



Sanopus splendidus 181 2 ~ ~ ○ * ♠ □ 26°C sg: 1.022 20 cm 200L



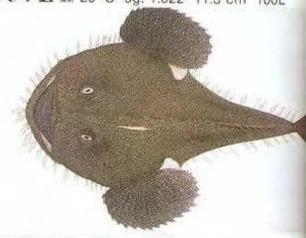
Porichthys notatus 181 3-4 ~ 10 火 面 二 26°C sg: 1.022 38 cm 400L



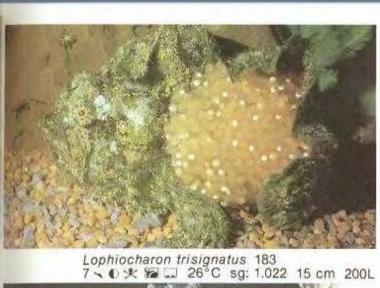
Porichthys margaritatus 181 3 √ √ € ♥ 📾 🗔 26°C sg: 1.022 11.3 cm 100L



Batrachomoeus trispinosus 181 7,9 ~ 5 ~ € 🛠 📠 🗆 26°C sg: 1.022 20 cm 200L



Lophiomus setigerus 182 7 ✓ → ♦ 🗶 🗔 26°C sg: 1.022 35 cm 400.





Tathicarpus butleri 183 7, 8, 12 ★ ② ★ 🖼 🖾 25°C sg: 1.022 10 cm 100L



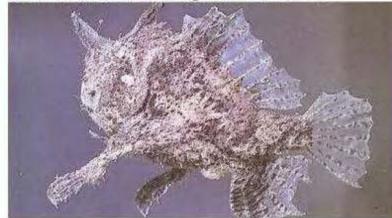
Rhycherus gloveri 183 12 **♦ €** ★ 🖾 🗔 24°C sg: 1.022 11.5 cm 100L



Antennarius maculatus 183 7,9 < € 🛠 🚰 🖂 26°C sg: 1.022 8.5 cm 100L



Histophryne bougainvillei 183 8, 12 < € ※ № 🔜 25°C sg: 1.022 6.4 cm 100L



Tathicarpus butleri 183 7, 8, 12 √ ① ★ 12 26°C sg: 1.022 10 cm 100L



Histrio histrio 183 1-2, 7-10, 13 → C ★ 🖾 🗀 26°C sg: 1.022 14 cm 100L



Antennarius biocellatus 183 7 ≺ € № № □ 26°C sg: 1.018 12 cm 100L



Antennarius pardalis 183 13 ~ € 🛠 🚾 🖂 26°C sg: 1.022 10 cm 100L



Antennarius strigatus 183 3 √ € № № □ 26°C sg: 1.022 8 cm 100L



Antennarius multiocellatus 183 2, 13 、 ① 火 短 □ 26°C sg: 1.022 11 cm 100L



Antennarius ocellatus 183 2 × € 🗶 🖾 🛄 26°C sg: 1.022 32 cm 300L



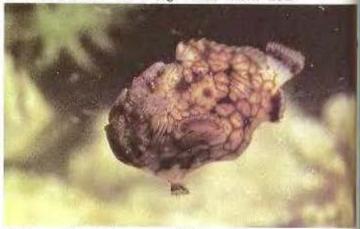
Antennarius sanguineus 183 3 ~ € 🗶 🖾 🖂 26°C sg: 1.022 8 cm 100L



Antennarius avalonis 183 3 √ 0 🛠 🚾 🗔 26°C sg; 1.022 33 cm 300L



Antennarius pauciradiatus 183 2 ~ € % № □ 26°C sg: 1.022 4 cm 50L



Antennarius tuberosus 183 6-10 → € 🛠 🖾 🖂 26°C sg: 1.022 7 cm 100L



Antennarius maculatus 183 7,9 \ ♠ ★ ➡ □ 26°C sg: 1.022 8.5 cm 100L



Antennarius hispidus 183 7-9 ★ ① ★ № □ 26°C sg: 1.022 15 cm 200L



Antennarius commersoni 183 3, 6-10 ≺ ① ★ № □ 26°C sg: 1.022 29 cm 300L



Antennarius nummifer 183 3, 6-10 → ① ★ № □ 26°C sg: 1.022 29 cm 300L



Antennarius commersoni 183 3, 6-10 ≤ € № № □ 26°C sg: 1.022 29 cm 300L



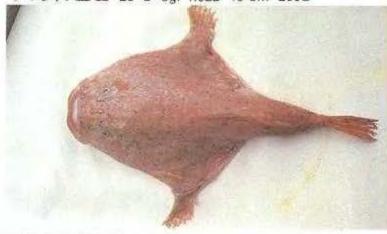
Antennarius striatus 183 1-2, 6-13 → € 🗶 🖾 🗀 26°C sg: 1.022 15.5 cm 200L



Antennarius coccineus 183 6-10 → € № 🖾 🖂 26°C sg: 1.022 9 cm 100L



Antennarius indicus 183 9 • ● ※ ☎ □ 26°C sg: 1.022 19 cm 200L



Chaunax abei 185 5-7 → € № № □ 24°C sg: 1.022 30 cm 300L

Antennarius analis 183 6-8, 12 x € 🗶 🖾 🗔 26°C sg: 1.022 8 cm 100L



Antennarius maculatus 183 7,9 ~ € № № □ 26°C sg: 1.022 8.5 cm 100L

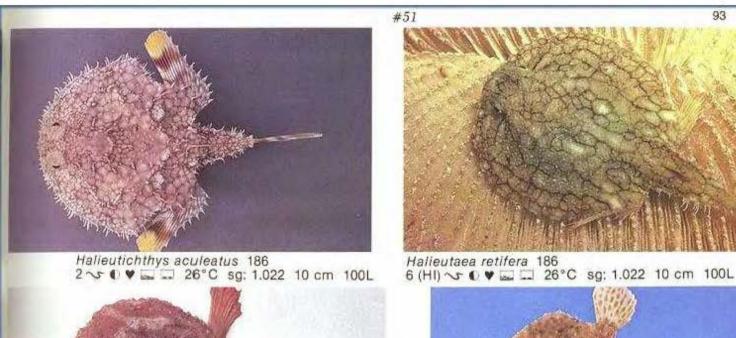


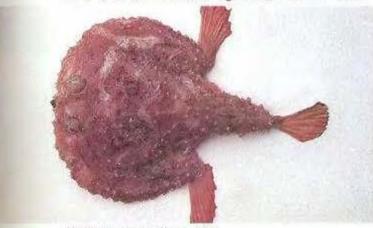
Antennarius commersoni 183 3, 6-10 、 ① 火 屋 □ 26°C sg: 1,022 29 cm 300L



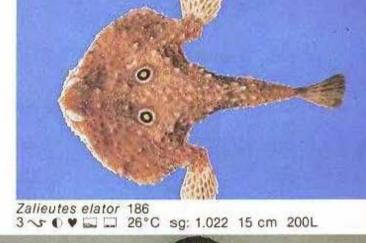
Monocentris japonicus 253 7-10 → • ♥ 🖬 🗆 26°C sg: 1.022 16 cm 200L







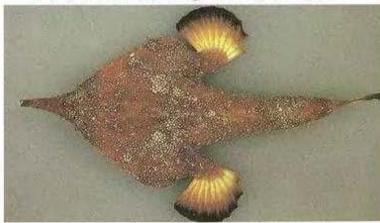
Halieutaea stellata 186 7,9 √ 0 ♥ 🖾 🗔 26°C sg: 1.022 30 cm 300L



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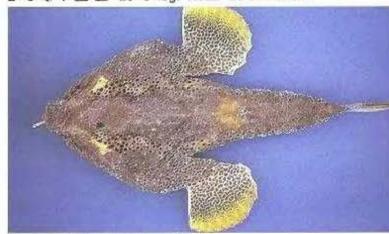
Ogcocephalus nasutus 186 2~ € ♥ ➡ ☐ 26°C sg: 1,022 38 cm 400L



Ogcocephalus corniger 186 2 ~ € ♥ ➡ ☐ 26°C sg: 1.022 23 cm 200L



Ogcocephalus radiatus 186 2 🍑 € 🛡 🔙 🖂 26°C sg: 1.022 38 cm 400L



Ogcocephalus radiatus 186 2 ◇ € ♥ 🖾 🖾 26°C sg: 1.022 38 cm 400L



Discotrema crinophila 198 6-9 ~ € ♥ 🖾 🗔 26°C sg: 1.022 5 cm 50L

Discotrema sp. 198 6-9 ~ € ♥ 12 26°C sg: 1.022 5 cm 50L



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Diademichthys lineatus 198 7-9 ✓ • ♥ ¥ = 26°C sg: 1.022 5 cm 50L



Discotrema crinophila 198 6-9 ✓ (♥ № 🗆 26°C sg: 1.022 5 cm 50L

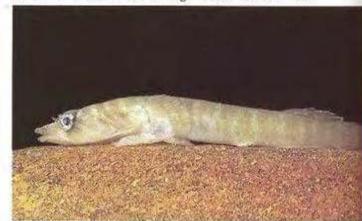


Lepadichthys lineatus 198 9-10 ~ € ♥ № _ 26°C sg: 1.022 31 cm 300L





Cochleoceps spatula 198 12 ~ € V in 24°C sg: 1.023 2.5 cm 50L





Sicyases sanguineus 198 3 🍑 🤜 🗗 🛠 📻 🗔 26°C sg: 1.022 22 cm 200L



Sicyases sanguineus 198 3 小、①火币□ 26°C sg: 1.022 22 cm 200L



Arcos robiginosus 198 2 ~ € ♥ ♠ □ 26°C sg: 1.022 3.5 cm 50L



Aspasmichthys ciconiae 198 5,7 • • ▼ 📠 🗔 26°C sg: 1.022 8 cm 100L



Discotrema crinophila 198 6-9 ✓ € ♥ № □ 26°C sg: 1.022 5 cm 50L



Tomicodon humeralis 198 3 ~ € V 🗪 🗀 26°C sg: 1.022 8.3 cm 100L



Gobiesox adustus 198 3 ~ € ♥ 📠 🗔 26°C sg: 1.022 5 cm 50L

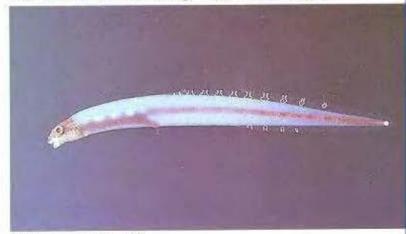




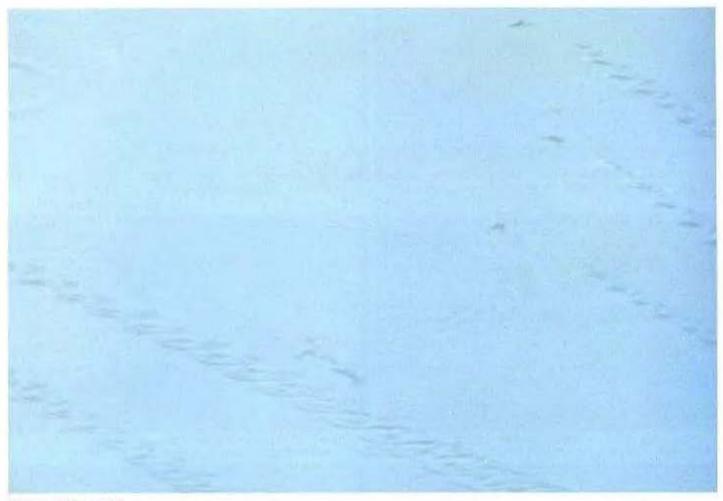
Lepadichthys frenatus 198 5 • • ■ □ 24°C sg; 1.023 3 cm 50L



Gobiesox maeandricus 198 3-4 ✓ € ♥ 🚡 🗔 24°C sg: 1.023 16 cm 200L



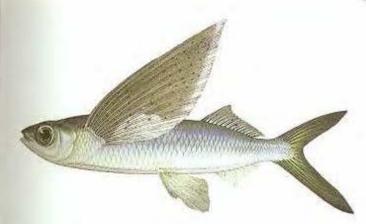
Alabes parvulus 199 12 ◇ ● ▼ 🗔 🗆 24°C sg: 1.023 3.2 cm 50L



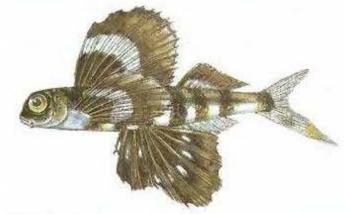
Exocoetidae 200 6-9 ~ ~ ○ ♥ □ 26°C sg: 1.022 27 cm 300L

Exocoetidae 200 6-9 ~ ~ ○ ♥ 🖾 26°C sg: 1.022 27 cm 300L





Chellopogon atrisignis 200 7,9 √ √ ○ ▼ □ 26°C sg: 1.022 25 cm 300L



Hirundichthys sp. 200 6-7 ~ ~ ○ ♥ □ 26°C sg: 1.022 26 cm 300L



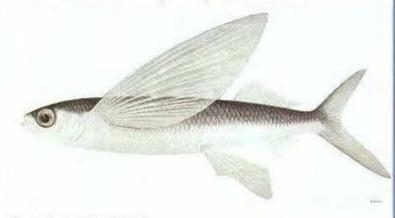
Cypselurus poecilopterus 200 6,7~ → ○ ♥ □ 26°C sg: 1.022 30 cm 300L



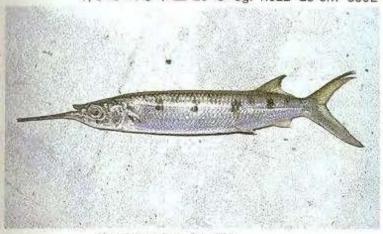
Cheilopogon pinnatibarbatus japonicus 200 7 ~ ↑ ♦ ♥ □ 26°C sg: 1.022 30 cm 300L



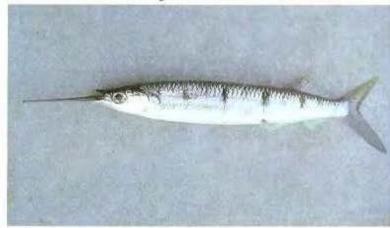
Cheilopogon suttoni 200 7,9 √ √ (♥ □ 26°C sg: 1.022 25 cm 300L



Cypselurus hirali 200 7 ~ ~ ○ ♥ □ 26°C sg: 1.022 30 cm 300L



Hemiramphus far 201 7,9 3 € \$\mathbb{C} \mathbb{R} \square 26°C sg: 1.022 65 cm 800L



Hemiramphus far 201 7, 9 < 0 ★ 🖂 26°C sg: 1.022 65 cm 800L

6-9 × 0 火 □ 26°C sg: 1.022 40 cm 400L



Tylosurus crocodilus 202 Circumtrop. ~ O * □ □ 26°C sg: 1.022 100 cm 1000L



Hyporhamphus melanochir 201 12 ~ ○ ※ ➡ □ 23°C sg: 1.024 25 cm 300L



Hyporhamphus sajori 201 7 ℃ 🌣 🖾 🗀 26°C sg: 1.022 45 cm 500L



Hemiramphus brasiliensis 201 1-2, 13 ≺ ○ 🛠 🗔 🗀 26°C sg: 1.022 40 cm 400L

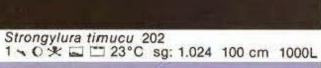


Cololabias saira 203 3-5 ≺ O 🗴 🗔 🗀 26°C sg: 1.022 40 cm 400L





Tylosurus crocodilus 202 Circumtrop. ~ 0 % 26°C sg: 1.022 100 cm 1000.



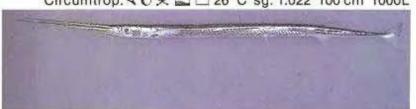
Strongylura anastomella 202 5, 7 ~ 0 * 🖾 🗀 26°C sg: 1.022 100 cm 1000L



Tylosurus crocodilus 202 Circumtrop. ≺ O 🛠 🖾 🗀 26°C sg: 1.022 100 cm 1000L



Tylosurus leiurus 202 7 - ○ * ➡ □ 26°C sg: 1.022 100 cm 1000L



Platybelone argalus 202 6, 7 - 0 * = 26°C sg: 1.022 50 cm 500L



Ablennes hians 202 Circumtrop. < ○ * 🖾 🖾 26°C sg: 1.022 120 cm 1500



Cleidopus gloriamaris 229 12 ~ ● ♥ № □ 23°C sg: 1.024 28 cm 300L



Atherinops affinis 213 3 ~ € ♥ ➡ 🖾 26°C sg: 1.022 38 cm 400L





Atherina boyeri 213 15 ~ € ♥ 🖾 🖾 26°C sg: 1.024 10 cm 100L



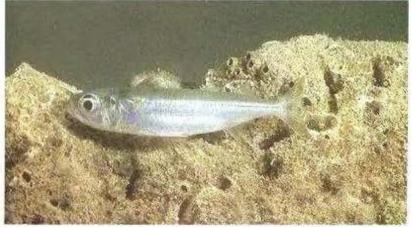
Craterocephalus pauciradiatus 213 7 ~ 0 ♥ ➡ ☱ 26°C sg: 1.022 7 cm 80L



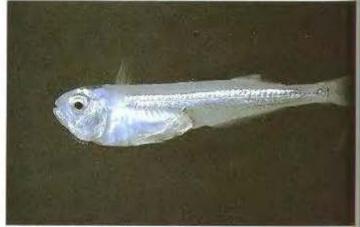
Atherinomorus ogilbyi 213 7-8 → ○ ♥ ➡ □ 26°C sg: 1.022 17 cm 200L



Atherinomorus lacunosus 213 7-8 ❖ ♥ ➡ ⊟ 26°C sg: 1.022 12.5 cm 150L



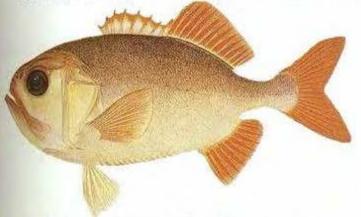
Atherinomorus endrachtensis 213 7-8, 12 → ○ ♥ 🔜 🗀 26°C sg: 1.022 10 cm 100L



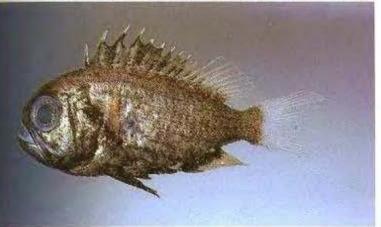
Iso rhothophilus 214 12 ~ ● ♥ ➡ 🖹 24°C sg: 1.023 3 cm 50L



Regalecus glesne 223 Circumtrop. ~ • • ★ 🖽 25°C sg: 1.022 1000 cm 5000L



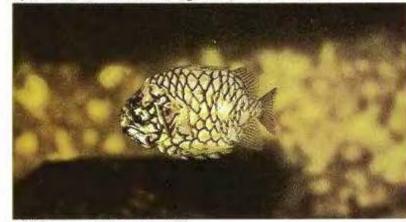
Gephyroberyx japonicus 230 5 → 10 × 10 = 24°C sg: 1.023 100 cm 1000L



Sorosichthys ananassa 230 12 ~ ● ♥ 🖼 🗔 23°C sg: 1.024 3 cm 50L



Monocentrus japonicus 229 7, 9 ~ € ♥ № 🗔 25°C sg: 1.022 16 cm 200L



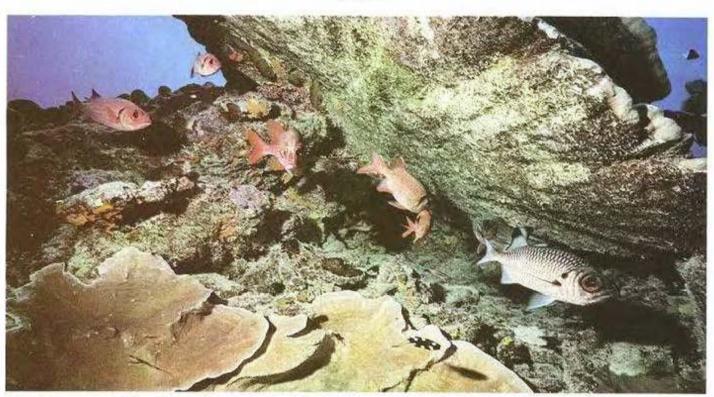
Cleidopus gloriamaris 229 12 → • ★ 🗔 23°C sg: 1.024 28 cm 300L



Hoplostethus elongatus 230 11 ~ 0 ♥ № □ 22°C sg: 1.024 12 cm 150L



Trachichthys australis 230 12 ~ • • ■ □ 22°C sg: 1.024 12 cm 150L



Myripristis sp. 235 6-10 ~ ~ ● * 📠 🗔 26°C sg: 1.022 15 cm 200L

Sargocentron spiniferum 235 6-9 ≥ ~ < ● * 📾 🗔 26°C sg: 1.022 45 cm 500L



#58B

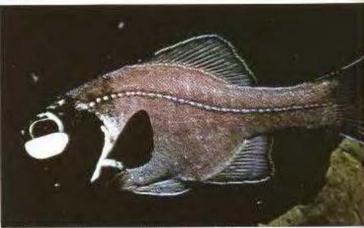
Sargocentron violaceum 235 7,9 ♀ ◇ ▼ ♠ ♥ ➡ □ 26°C sg: 1.022 25 cm 300L



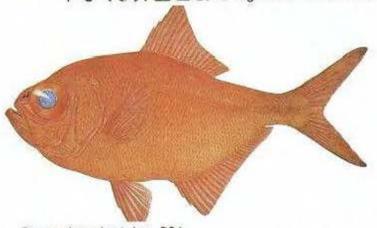




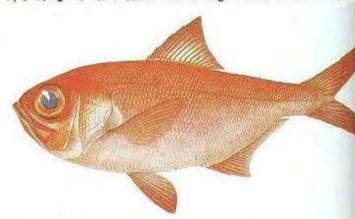
Anomalops katoptron 231 7 > 1 → 1 → 1 = 26°C sg: 1.022 30 cm 300L



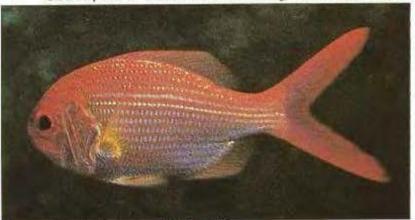
Photoblepharon palpebratus 231 7, 9-10 ♀ ◇ ♥ ★ ⊟ 26°C sg: 1.022 11 cm 100L



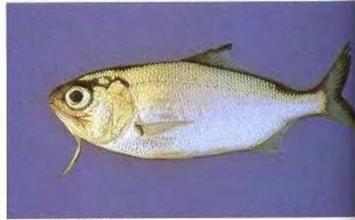
Beryx decadactylus 234 Cosmopol. ~ ~ ① ★ 配 26°C sg: 1.022 60 cm 600L



Beryx splendens 234 2, 6-9, 13 ~ ~ ○ 火 📾 🗎 26°C sg: 1.022 50 cm 500L



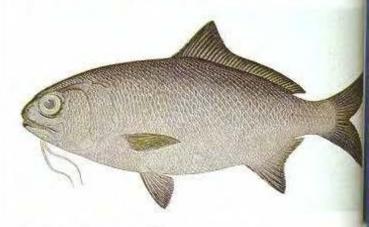
Trachichthodes affinis 230 8, 11-12 → ¬ • • ★ 🖼 🖾 24°C sg: 1.023 45 cm 500L



Polymixia lowei 236 1-2 ♀ ◇ ♥ ♥ ➡ ☲ 26°C sg: 1.022 20 cm 200L



Corniger spinosus 238 2 ~ • • • ₩ □ 26°C sg: 1.022 20 cm 200L



Polymixia berndti 236 6-7, 9 ♀ ◇ ♥ ▼ ➡ ☱ 26°C sg: 1.022 15 cm 150L



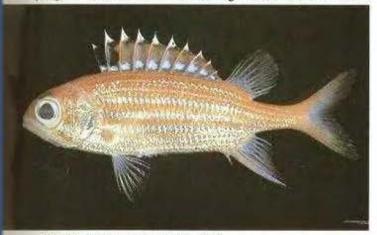
Sargocentron diadema 235 6-9 € ~ • • ★ 📠 🖵 26 °C sg: 1.022 23 cm 300L



Sargocentron xantherythrus 235 6 2 ~ • • ★ 🖬 🗔 26°C sg: 1.022 18 cm 200L



Sargocentron violaceum 235 7,9 ♀ ◇ ► ♠ ★ 🖬 🗆 26°C sg: 1.022 25 cm 300L



Sargocentron coruscum 235 2 2 ~ ~ • ★ 📠 🗔 26°C sg: 1.022 10 cm 100L



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Sargocentron ittodai 235 7 ℃ ~ • ★ 📠 🗆 26°C sg: 1.022 20 cm 200L



Sargocentron tieroides 235 6-7 ♀ ~ • ♥ ★ 🖬 🗆 26°C sg: 1.022 30 cm 300L



Sargocentron bullisi 235 1-2 字 ~ 中央 国 □ 25°C sg: 1.022 13 cm 150L



Sargocentron vexillarium 235 2 9 ~ . 0 % M 26°C sg: 1.022 12.6 cm 150L





Sargocentron microstoma 235 6 2 ~ • • ★ 🖼 🗔 26°C sg: 1.022 18 cm 200L



Sargocentron seychellensis 235 9 2 ~ • ★ 🖪 🗆 26°C sg: 1.022 18 cm 200L



Neoniphon sammara 235 6-10 ♀ ▽ ヾ • ⊁ ➡ □ 26°C sg: 1.022 30 cm 300L



Sargocentron caudimaculatum 235 7, 9-10 ♀ ◇ → ● ※ 🖼 🖂 26°C sg: 1.022 25 cm 30



Sargocentron spiniferum 235 6-9 ♀ ~ • ♥ ★ 🖾 🖂 26°C sg: 1.022 45 cm 500L



Sargocentron tiere 235 6, 7 2 ~ ~ • ★ 🖾 🖾 26°C sg: 1.022 30 cm 301



Neoniphon opercularis 235 6-9 ♀ ✓ ¬ ● ★ 📠 🗔 26°C sg: 1.022 35 cm 400



Holocentrus hastatus 235 13 9 ~ > ● ★ 🖬 🗆 26°C sg: 1.022 10 cm 100L



Holocentrus rufus 235 2 2 3 1.022 26 cm 300L



Sargocentron rubrum 235 6-10 % ~ . ● ※ 📠 🗔 26°C sg: 1.022 36 cm 400L



Sargocentron lepros 235 7 ℃ ~ ⑤ 火 励 Ⅲ 26°C sg: 1.022 12 cm 150L



Holocentrus ascensionis 235 1-2 ℃ ~ ● ★ 配 □ 26°C sg: 1.022 30 cm 300L



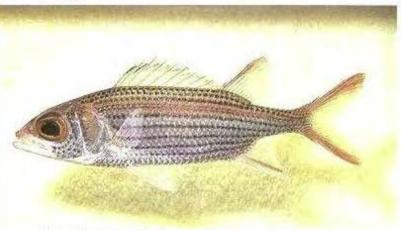
Sargocentron caudimaculatum 235 7-10 ♀ ∼ → ● ※ ➡ □ 26°C sg: 1.022 25 cm 300L



Sargocentron suborbitalis 235 3 ♀ ◇ → ♠ ※ 📠 🗔 26°C sg: 1.022 25 cm 300L



Sargocentron punctatissimum 235 6-9 2 ~ • * 📠 🗆 26°C sg: 1.022 16 cm 200L



Neoniphon argenteus 235 7,9 ⅔ ~ < ♠ ※ ➡ □ 26°C sg: 1.022 24 cm 300L



Neoniphon opercularis 235 6-9 ♀ ✓ ▼ ★ 🖾 🗆 26°C sg: 1.022 35 cm 400L



Sargocentron ensifer 235 6 ℃ ~ • • ★ 📠 🗆 26°C sg: 1.022 22.5 cm 300L



Sargocentron melanospilos 235 6, 7 ≥ ✓ ✓ ♦ 🛠 🖬 🖃 26°C sg: 1.022 27 cm 300L



Neoniphon marianus 235 2 ♀ ~ ~ ● ※ ➡ ➡ 26°C sg: 1.022 17 cm 200L



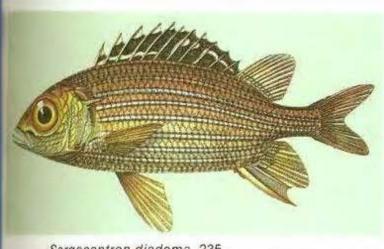
Neoniphon sammara 235 6-10 ♀ ~ • • ★ 🖬 🗆 26°C sg: 1.022 30 cm 300L



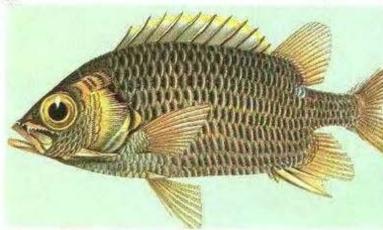
Neoniphon scythrops 235 6 ♀ ◇ ¬ ● ※ 🖬 🗆 26°C sg: 1.022 25 cm 300L



Neoniphon aurolineatus 235 6-7 ♀ ~ • ♥ ★ 📠 🗔 26°C sg: 1.022 22 cm 200L



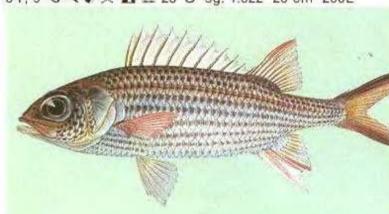
Sargocentron diadema 235 6-10 ~ ~ • * To = 26°C sg: 1.022 18 cm 200L

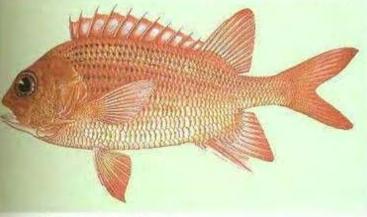


Sargocentron violaceum 235 6-7, 9 • • ★ 🖬 🗆 26°C sg: 1.022 20 cm 200L



Sargocentron caudimaculatum 235 Neoniphon laeve 235 7-10 √ → ● 米 🕞 🗆 26°C sg: 1.022 25 cm 300L 9 √ → ● 米 🕞 🖂 26°C sg: 1.022 30 cm 300L

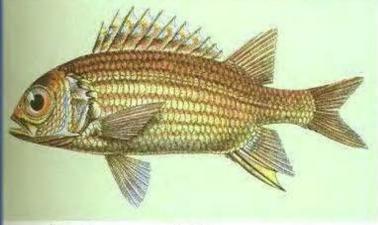




Sargocentron tiere 235 6,7~~ ● 火 面 □ 26°C sg: 1.022 30 cm 300L



Sargocentron melanospilos 235 6, 7 9 V V B 🗔 🖂 26°C sg: 1.022 27 cm 300L



Neoniphon sammara? 235 5-10 ~ ~ • ★ 🕟 🗆 26°C sg: 1.022 30 cm 300L



Sargocentron lacteoguttatus 235 6-7, 9 √ √ ♦ ★ 🖾 🖂 26°C sg: 1.022 15 cm 150L





Pristilepis oligolepis 235 6.9 √ √ ♦ ★ 🗔 26°C sg: 1.022 30 cm 300L



Myripristis lelognathus 235 3 √ √ ♦ ★ 🗗 🗆 26°C sg: 1.022 17.5 cm 200L



Myripristis adustus 235 6-7,9 √ √ ★ 🗖 🗔 26°C sg: 1.022 32 cm 300L





Ostichthys japonicus 235 6-7, 9 √ √ ♦ 🛠 🚡 🗔 26°C sg: 1.022 45 cm 500L



Myripristis jacobus 235 1-2, 13 √ √ ♠ ★ 🖬 🗔 26°C sg: 1.022 20 cm 200L



Myripristis sp. 235 6 → • ★ 🗗 🗆 26°C sg: 1.022 17 cm 200L



Myripristis adustus 235 6-7, 9 √5 → ● 米 📠 🗔 26°C sg: 1.022 32 cm 300L



Myripristis kuntee 235 6-10 ✓ ▼ ★ ☐ 26°C sg: 1.022 15 cm 200L



Myripristis murdjan 235 7-10 ✓ ▼ 🖎 🗖 🗔 26°C sg: 1.022 24 cm 250L



Myripristis vittatus 235 7,9 √ √ ♥ ★ 🗔 🗆 26°C sg: 1.022 20 cm 200L



Myripristis hexagonatus 235 6-7, 9 → • ★ 📠 🗆 26°C sg: 1.022 20 cm 20



Myripristis melanostictus 235 7,9 → 10 × 10 = 26°C sg: 1.022 30 cm 300



Myripristis violacea 235 6-7, 9 ◇ 、 ● 火 面 □ 26°C sg: 1.022 20 cm 测



Myripristis adustus and Myripristis vittata 235 7,9 √5 √ ● 火 📠 🗔 26°C sg; 1.022 32 cm 25



Myripristis axillaris 235 7-10 ✓ ¬ • ★ ➡ □ 26 °C sg: 1.022 27 cm 300L



Myripristis xanthacrus 235 10 √ √ ♥ ★ ➡ □ 26°C sg: 1.022 17 cm 200L



Myripristis pralinia 235 7,9 → • ★ 🖬 🗆 26°C sg: 1.022 20 cm 200L



Myripristis kuntee 235 6-10 √ √ ♦ 🛠 🖬 🗆 26°C sg: 1.022 15 cm 200L





Myripristis berndti 235 7,9 ~ • • ★ 📠 🗔 26°C sg: 1.022 30 cm 300L



Myripristis berndti 235 7,9 <> √ √ ♠ ★ 📠 🗆 26°C sg: 1.022 30 cm 300L

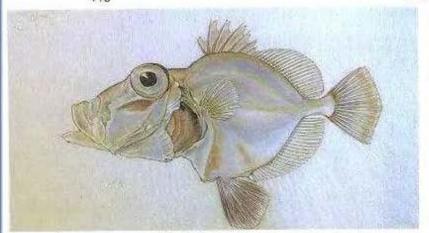


Myripristis amaenus 235 6 ~ • • ★ 🚡 🗔 26°C sg: 1.022 30 cm 300L

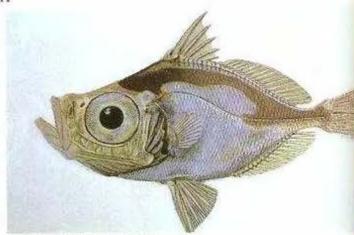


Aulostomus chinensis. 254 7, 9 → ¬ • ★ 월 등 26°C sg: 1.022 100 cm 1000L

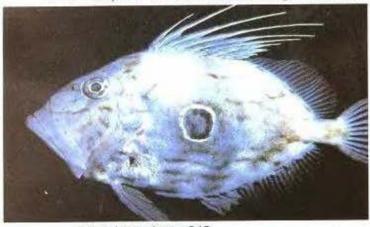




Cyttopsis rosea(?) 245 Circumtrop. ◆ ◆ ◆ ★ □ 26°C sg: 1.022 22 cm 200L



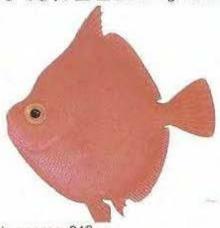
Zenion hololepis 244 7, 9 ~ • • ★ 🖾 🗆 26°C sg: 1.022 10 cm 100L



Zeus japonicus 245 5-9 √ √ ♠ 🚍 26°C sg: 1.022 50 cm 500L



Zenopsis nebulosa 245 5-7 ✓ • ○ ★ 🕞 🗆 26°C sg: 1.022 50 cm 500L



Antigonia capros 248 1-2, 6-9, 13 ✓ 🔾 🖈 🗖 🗆 26°C sg: 1.022 25 cm 300L



Aulichthys japonicus 250 5 → 1 * 🗗 🗆 24°C sg: 1.023 15 cm 150L



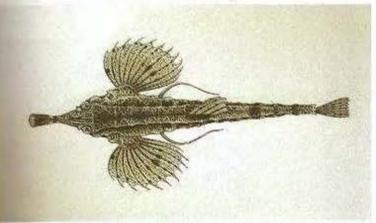
Aulorhynchus flavidus 250 3 ~ ~ ♦ 🌣 🖪 🗔 26°C sg: 1.022 18 cm 200L



Spinachia spinachia 251 14 ~ € ♥ № 🗔 22°C sg: 1.024 19 cm 200L



Parapegasus natans 253 5, 7-8, 12 <> € ● ★ = 25°C sg: 1.022 18 cm 200L



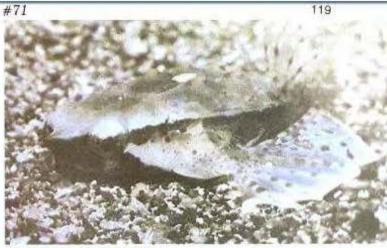
Parapegasus sp.? 253 7,9 √ (♥ 🖿 🖃 26°C sg: 1.022 12 cm 120L



Aulostomus chinensis 254 7,9 √s √ 0 火 № ☲ 26°C sg: 1.022 100 cm 1000L



Fistularia commersonii 255 Circumtrop. ❖ ❖ ❖ № 🖂 26°C sg: 1.022 160 cm



Pegasus volitans 253 5, 7, 9 ∿ € ♥ 🖬 🗔 26°C sg: 1.022 17.5 cm 200L



Aulostomus maculatus 254 2 ~ ~ ● * * \(\square \) \(\sq



Aulostomus chinensis 254 7, 9 ~ ~ ● ¥ \overline \overli



Fistularia tabacaria 255 1-2 √ √ ♥ ₩ \ 24°C sg: 1.023 180 cm 2000L



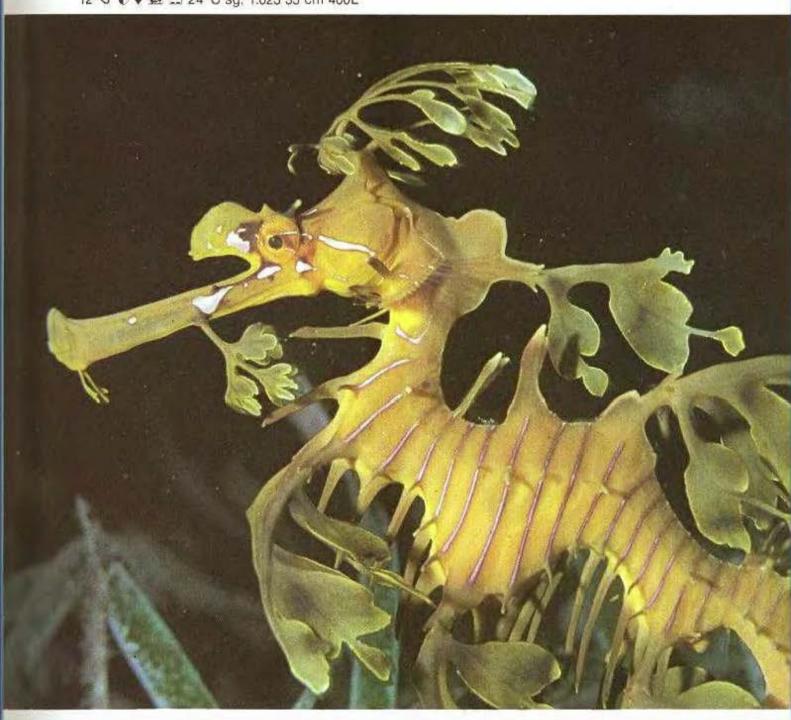
Phyllopteryx taeniolatus 259 12 ~ € ♥ ☑ □ 24°C sg: 1.023 23 cm 250L

Solenostomus paradoxus 258 5, 7, 9 ▼ • ▼ □ 26°C sg: 1.022 16.5 cm 200L



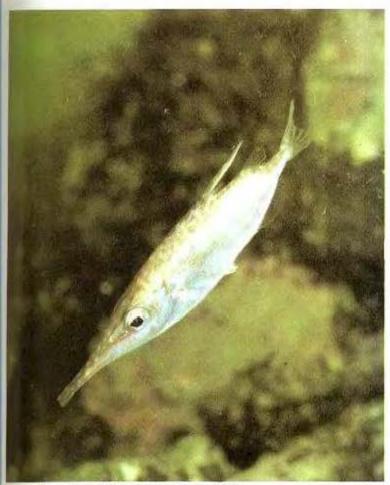
#71B

Phycodorus eques 259 12 ◇ ▼ ♥ № □ 24°C sg: 1.023 35 cm 400L



Aeoliscus strigatus and A. punctulatus 257 7-10 ~ € ♥ № 🖵 26°C sg: 1,022 15 cm 150L

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Macrorhamphosus scolopax 256 Circumtrop. ❖ ● ♥ ﷺ 🗔 26°C sg: 1.022 20 cm 200L



Solenostomus paegnius 258 5, 7, 9 ✓ • ▼ 🚾 🗔 26°C sg: 1.022 10 cm 100L



Solenostomus paradoxus 258 5, 7, 9 ◇ € ♥ № 🗔 26°C sg: 1.022 16.5 cm 200L





Solenostomus cyanopterus 258 5, 7, 9 → • • • □ 26°C sg: 1.022 17 cm 200L



Solenostomus paradoxus 258 5, 7, 9 ❤ € ➡ 26°C sg: 1.022 16.5 cm 200L

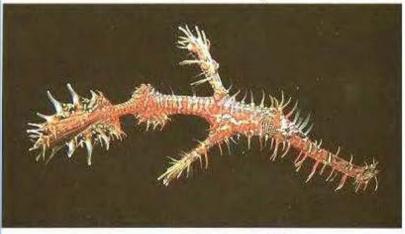




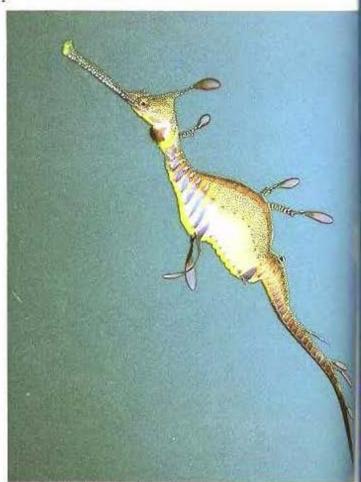
Phycodurus eques 259 12 √s (♥ № = 24°C sg: 1.023 35 cm 400L



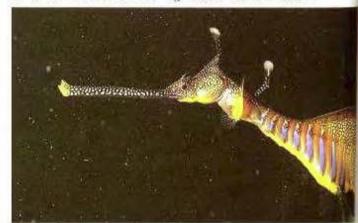
Phycodurus eques 259 12 √s (♥ ¥≥ __24°C sg: 1.023 35 cm 400L



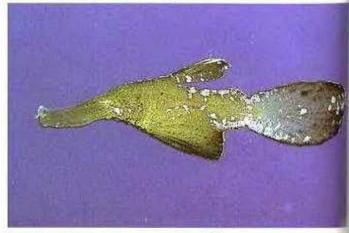
Solenostomus armatus 258 7 ~ € € 9 ½ __ 26°C sg: 1.022 12 cm 120L



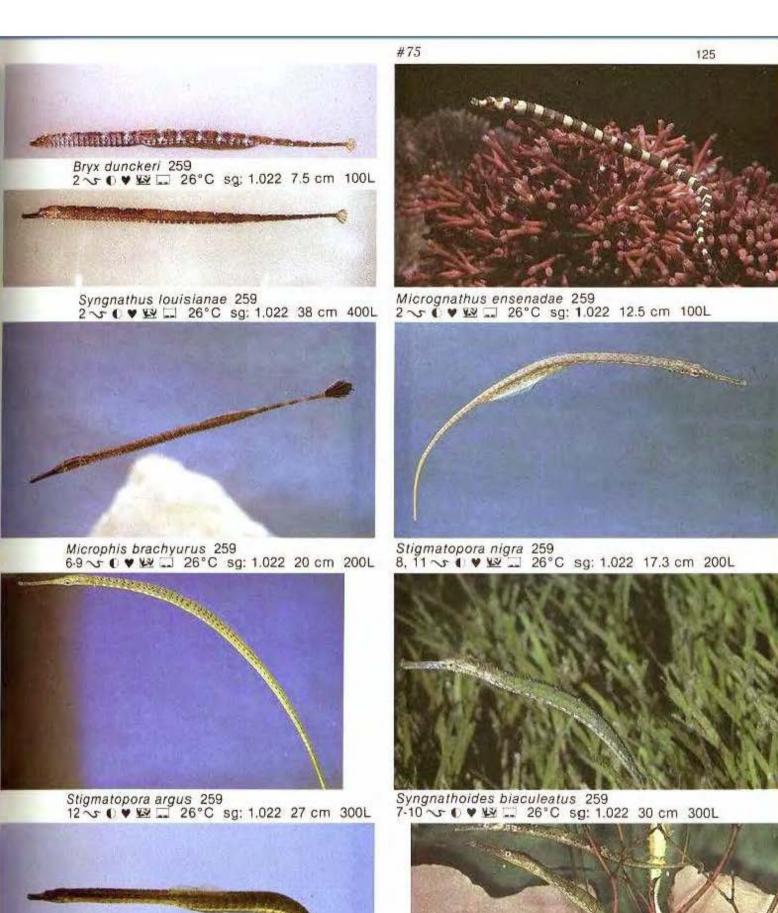
Phyllopteryx taeniolatus 259 12 √r (♥ № _ 24°C sg: 1.023 23 cm 250L



Phyllopteryx taeniolatus 259 12 ∿ € ♥ № ... 24°C sg: 1.023 23 cm 250L



Solenostomus cyanopterus 258 5, 7, 9 √s (♥ № = 26°C sg: 1.022 17 cm 200L









Doryrhamphus japonicus 259 5 ~ € ♥ ₩ 🖃 26°C sg: 1.022 8 cm 100L

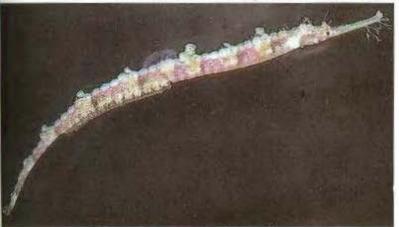


Doryrhamphus e. excisus 259 3, 6-9 ~ € ♥ № □ 26°C sg: 1.022 7 cm 100L





Corythoichthys paxtoni 259 8 ~ € ♥ ₩ 🖂 26°C sg: 1.022 14 cm 100L





Corythoichthys amplexus 259 6-9 • ▼ № □ 26°C sg: 1.022 9 cm 100L



Corythoichthys amplexus 259 6-9 ~ € ♥ ₩ 🗔 26°C sg: 1.022 9 cm 100L



Corythoichthys schultzi 259 6-10 ✓ • ♥ ₩ □ 26°C sg: 1.022 15 cm 150L



Halicampus spinirostris 259 7-9 ◇ ♦ ♦ № 🗔 26°C sg: 1.022 12 cm 100L



Hippocampus kuda 259 7 ~ € • № 🖾 🗔 26°C sg: 1.022 18 cm 200L



Corythoichthys haematopterus 259 6-9 ~ € ♥ № 🖂 26°C sg: 1.022 20 cm 200L

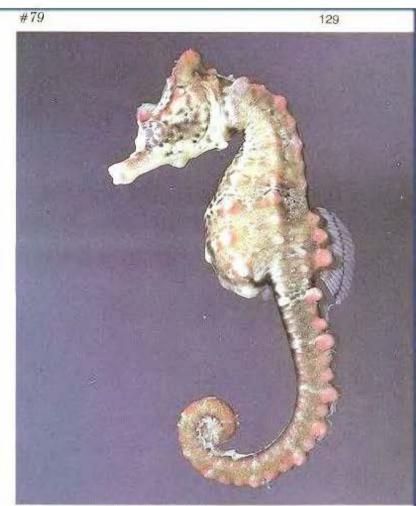


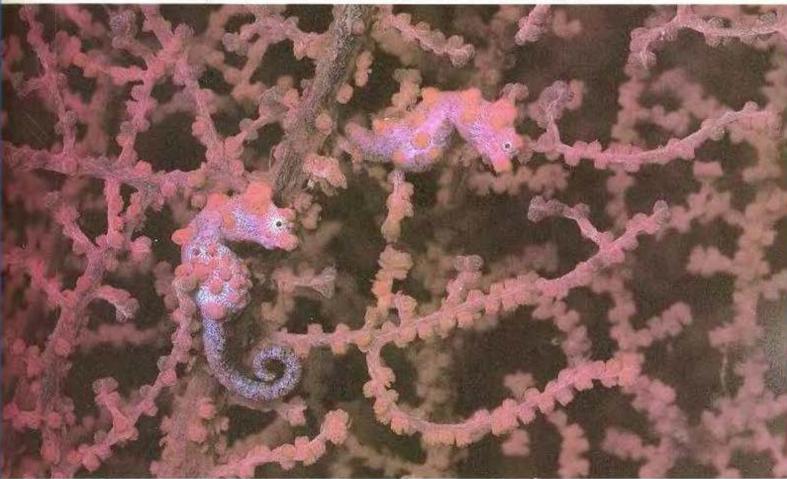


Hippocampus angustus 259 12 ~ € ♥ 🖾 🗀 24°C sg: 1.023 10 cm 100L



Hippocampus abdominalis 259 12 ♥ ♥ ♥ □ 24°C sg: 1.023 10 cm 100L





Hippocampus bargibanti 259 6 ∕s (♥ 1⁄2 = 26°C sg: 1.022 5 cm 50L



Hippocampus sp. 259 14 √r (♥ 1 ... 22°C sg: 1.024



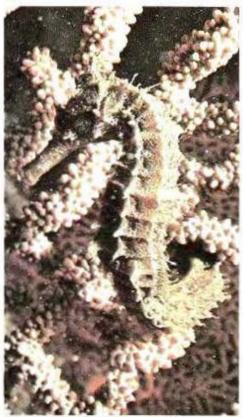
Hippocampus japonicus 259 5, 7 ♥ ♥ ₩ 🖾 26°C sg: 1.022



Hippocampus kuda 259 5, 7, 9 ▽ (♥ 🅦 🗔 26°C sg: 1/4



Hippocampus ramulosus 259 Hippocampus ingens 259 13. 15 ✓ (▼ 126°C sg: 1.024 3 ✓ (▼ 126°C sg: 1.022



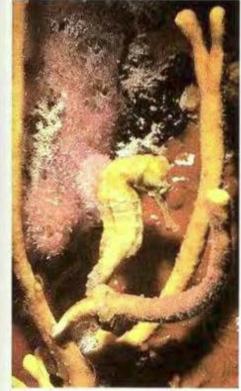


Hippocampus hippocampus 29 14, 15 > € € ¥ 26°C sg 1

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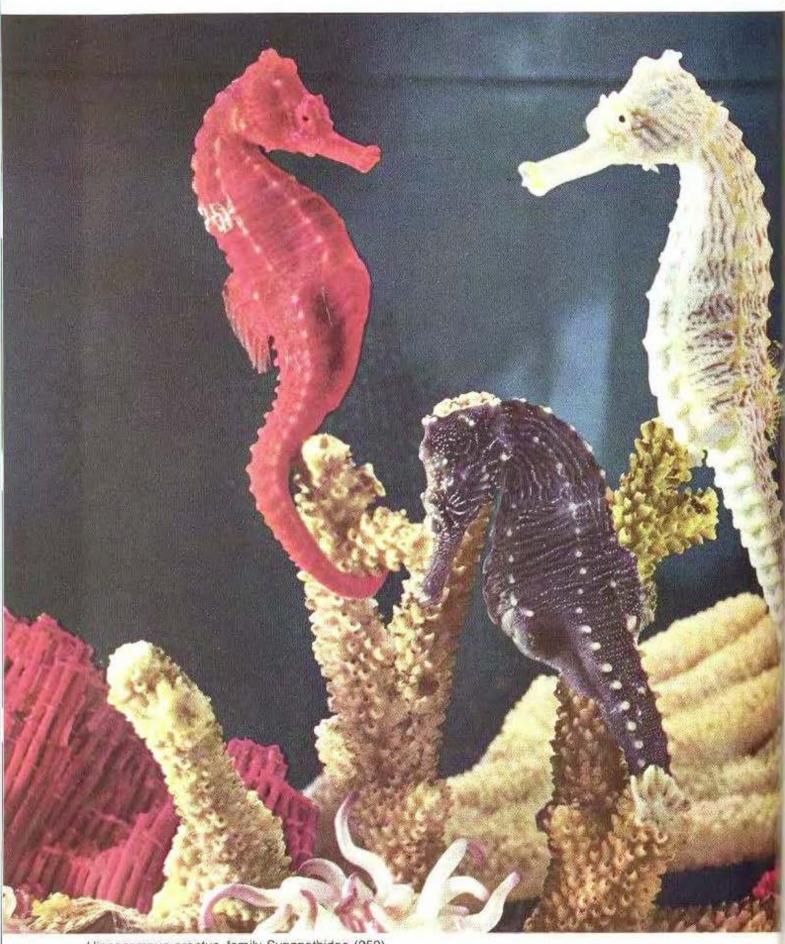
Hippocampus coronatus 259 5,7 ~ € ♥ № E 24°C sg: 1.023



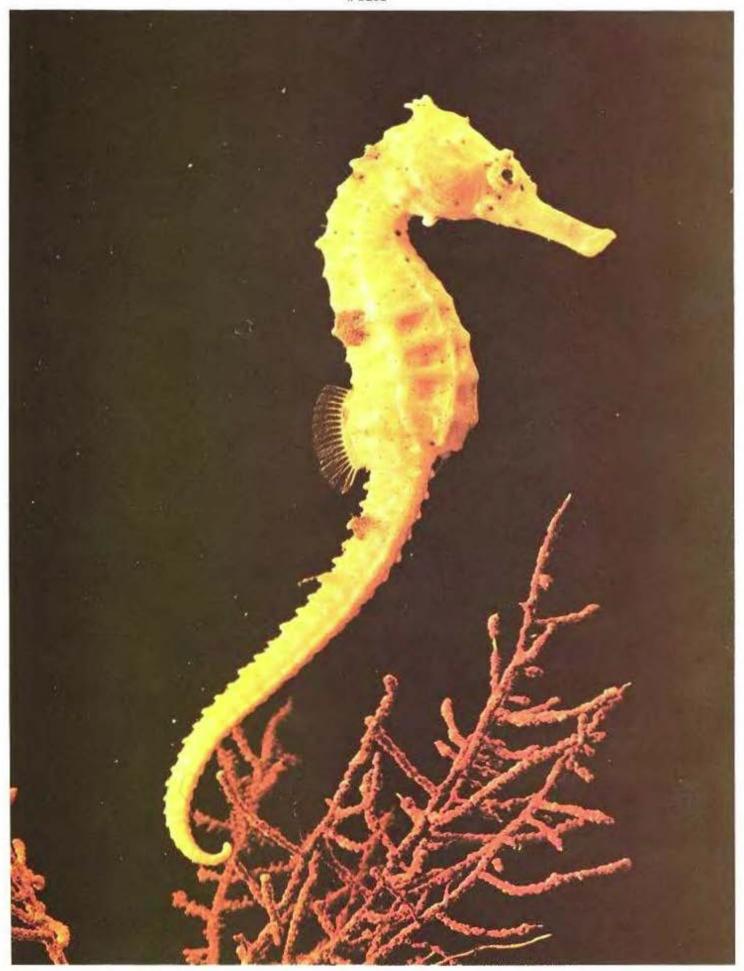
Hippocampus reidi 259 1-2 ▽ € ♥ 및 전 24°C sg: 1.023



Hippocampus erectus 259 1-2 ~ € ♥ № 🖾 23°C sg: 1.024 15 cm 200L



Hippocampus erectus, family Syngnathidae (259).



Hippocampus kuda 259 7 🍑 🜓 🦞 🔛 🗔 26°C sg: 1.022 18 cm 200L



Pterois volitans 262 7.8 〜 、 ① 火 短 団 26°C sg: 1.022 35 cm 400L

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#83A

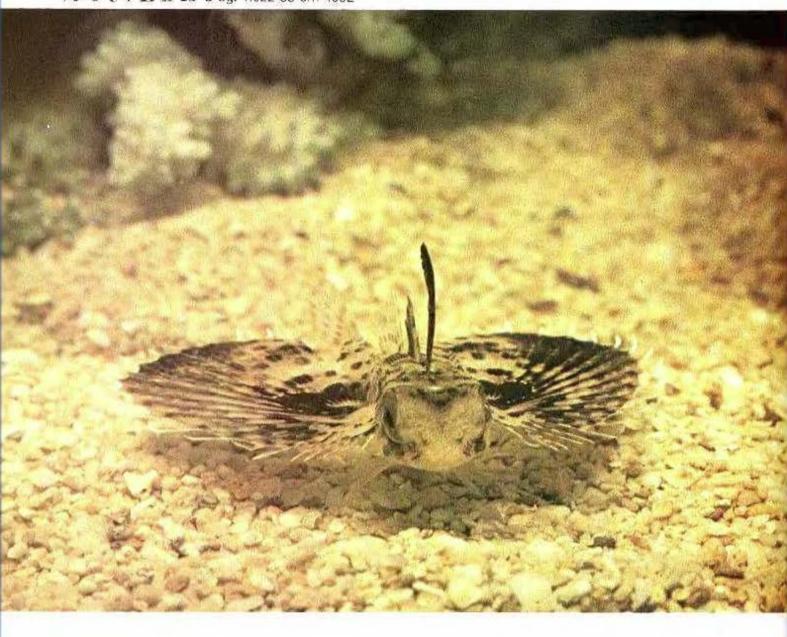


Inimicus filamentosus 263 9-10 ◇ → € ※ 🗗 🗆 26°C sg: 1.022 18 cm 200L



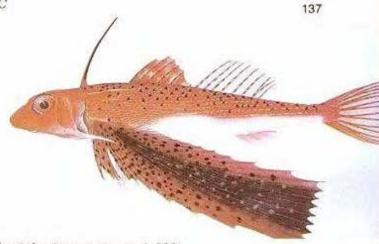
Scorpaenopsis oxycephala 262 6-10 ✓ ✓ € 🏃 🖪 🖼 🗀 26°C sg: 1.022 30 cm 300L

Dactyloptena orientalis 260 7-9 ◇ € ♥ ➡ 🗔 26°C sg: 1.022 35 cm 400L

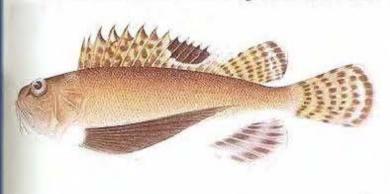




Dactylopterus volitans 260 1-2, 13-14 ~ . 0 % = = 26°C sg: 1.022 45 cm 500L

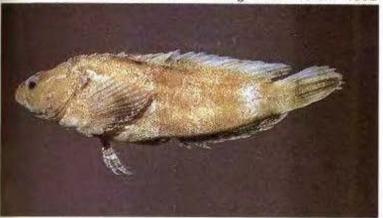


Dactyloptena peterseni 260 7,9 ◇ 、 ◆ 类 編 □ 26°C sg: 1.022 30 cm 300L



Apistus carinatus 262 6.9 ◇ ★ ① 火 婦 □ 26°C sg: 1.022 15 cm 150L







Neosebastes pandus 262 12 ~ ~ € 火 圖 □ 24°C sg: 1.023 30 cm 300L



Centropogon australis 262 12~~ 0 火 厘 □ 23°C sg: 1.024 10 cm 100L



Pontinus nematophthalmus 262 2 ~ ~ € ★ 🖼 🗆 25°C sg: 1.022 14 cm 150L



Helicolenus hilgendorfi 262 5 ∼ • ⊕ ※ 🚡 🗔 23°C sg: 1.024 20 cm 200L



Helicolenus papillosus 262 11 ✓ → ♠ ★ 🖾 🖾 24°C sg: 1.023 30 cm 300L



Sebastolobus macrochir 262 5 √ √ ↑ № 1 24°C sg: 1.023 30 cm 300L



Sebastolobus alascanus 262 4 ~ ~ 0 ★ 📾 🖃 23°C sg: 1.024 75 cm 750L



Sebasticus albofasciatus 262 5 → 1 → 1 → 1 = 24°C sg; 1.023 25 cm 250L



Sebasticus marmoratus 262 5, 7 → 1 ★ 🗗 🗆 24°C sg: 1.023 34 cm 350L



Scorpaenopsis oxycephala 262 6-10 ✓ 🕻 🛠 🚾 = 26°C sg; 1.022 30 cm 300L



Scorpaena cardinalis 262 8 ~ ~ ○ ※ क 🖃 26°C sg: 1.022 45 cm 500L

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Rhinopias frondosa 262 6-9 ~ √ √ ★ 🔀 🗔 26°C sg: 1.022 25 cm 300L



Rhinopias eschmeyeri 262 9 ~ 、 ● 火 届 □ 26°C sg: 1.022 19 cm 200L



Rhinopias argoliba 262 5〜、(火発量 24°C sg: 1.023 17 cm 200L



Rhinopias aphanes 262 6 ∼ √ 1 ★ № □ 26°C sg: 1.022 23.5 cm 300L



Parapterois heterurus 262 5, 7, 9 → € ★ ★ Ξ 26°C sg: 1.022 15 cm 150L



Dendochirus barberi 262 6 √ √ 1 ★ 1 26°C sg: 1.022 10.8 cm 100L



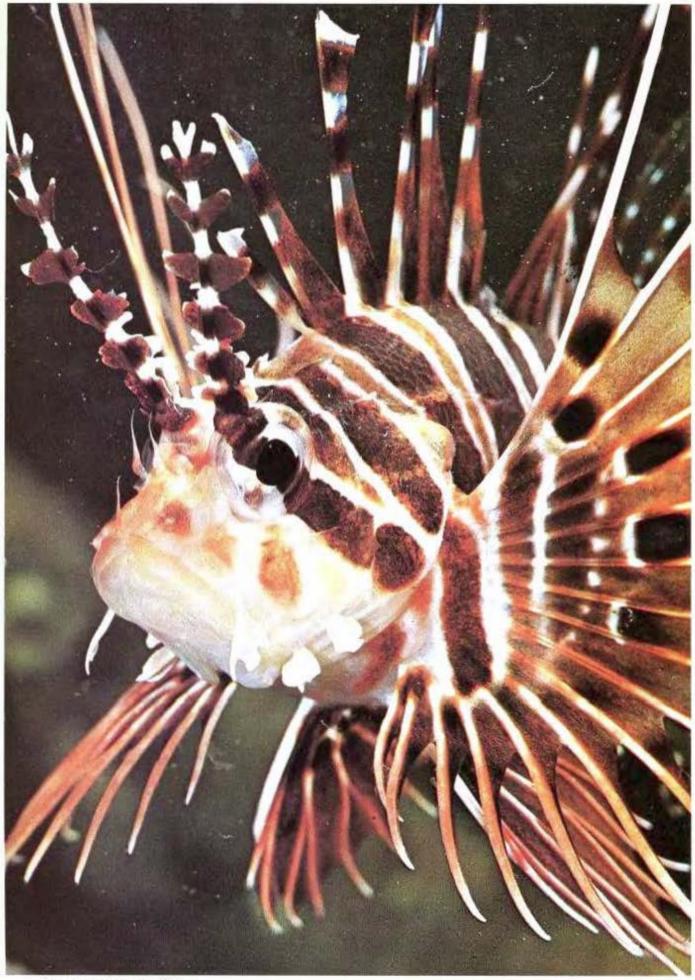
Pterois volitans 262 7-8 → • • ★ 1 ≥ 26°C sg: 1.022 35 cm 400L



Pterois sphex 262 6~5~【类量器 26°C sg: 1.022 25 cm 300L



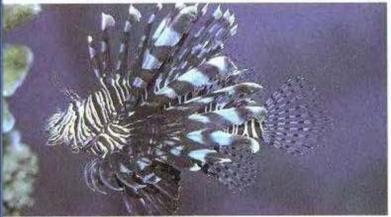
Dendrochirus zebra 262 7-10 <> < 4 ★ ★ 三 26°C sg: 1.022 30 cm 300L



Pterois antennata 262 6-9 √ √ ★ ★ __ 26°C sg: 1.022 20 cm 200L



Pterois antennata 262 7-9~5~ () 火 运 26°C sg: 1.022 30 cm 300L



Pterois volitans 262 7-8 ◇ → 4 火 屋 図 26°C sg: 1.022 35 cm 400L



Pterois antennata 262 7-9 √ √ (★ 1 ≥ 26°C sg: 1.022 30 cm 300L



Pterois miles 262 9, 10 ✓ ¬ • → ★ ½ ⋈ 26°C sg: 1.022 31 cm 300L



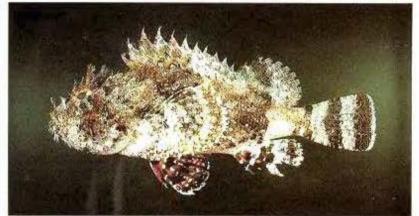
Pterois radiata 262 6-10 √ √ (🛠 🖼 🖂 26°C sg: 1.022 20 cm 200L

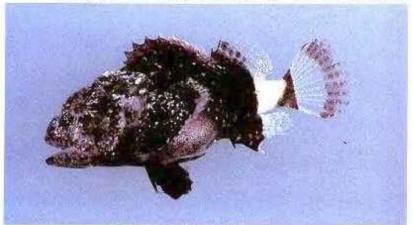


Scorpaena notata 262 13-15 → • • ★ 🔀 26°C sg: 1.024 30 cm 300L



Scorpaena grandicornis 262 2 ✓ 🕻 🗴 🖾 🗔 26°C sg: 1.022 25 cm 300L





Scorpaena plumieri (juv.) 262 1-3, 13 √ √ ♦ № № № № 26°C sg: 1.023 30 cm 300L



Scorpaena scrofa 262 13-15 √s ▼ ● ※ № □ 26°C sg: 1,024 30 cm 300L



Scorpaena porcus 13-15 √ √ 1 ★ 12 26°C sg: 1.024 30 cm 300L

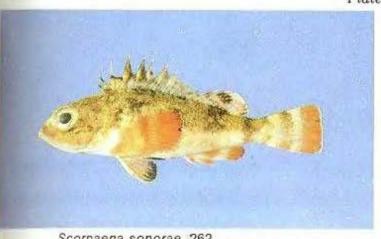


Scorpaena plumieri mystes 262 3 √ √ € ★ ★ 〒 26°C sg: 1.023 30 cm 300L



Scorpaena plumieri 262 1·3, 13 ❤ ► • * 🌣 庵 🗔 26°C sg: 1.022 30 cm 300L

Plate #91 145



Scorpaena sonorae 262 3 ~ • • ★ № □ 26°C sg: 1.022 12 cm 120L



Scorpaena guttata 262 4 ~ ~ • • № № □ 22°C sg: 1.024 43 cm 400L



Scorpaena inermis 262 2~5 ~ 0 * № № 5 26°C sg: 1.022 11 cm 100L

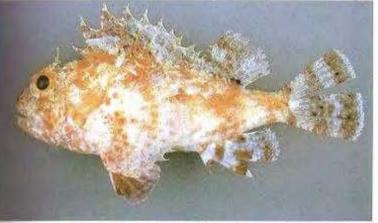


Scorpaena elachys 262 2 ~ • • • ★ 🚾 🗆 26°C sg: 1.022 64 cm 700L



Scorpaena albifimbria 262 2 → • ① ★ 🖫 🗔 26°C sg: 1.022 75 cm 800L





Scorpaena 262 2 ~ ~ € ※ № □ 26°C sg: 1.024 23 cm 250L



Scorpaena bergi 262 1-2 ✓ ✓ ○ ※ № 🗔 24°C sg: 1.023 75 cm 800L

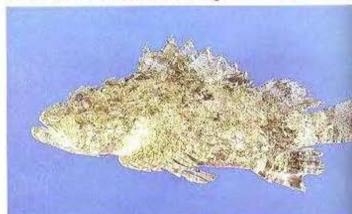
Scorpaena coniorta 262 6 ~ ~ € ★ 🕦 🗆 26°C sg: 1.022 7.5 cm 80L



Scorpaenopsis sp. 262 11-12 ✓ 🕻 🛠 🚾 🗔 26°C sg: 1.022 10 cm 100L



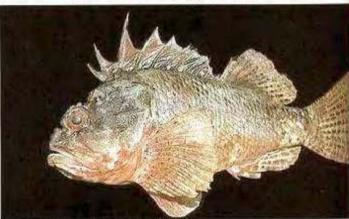
Sebastapistes cyanostigma 262 6-10 √ √ € 🛠 🖾 26°C sg; 1,022 8 cm 80L



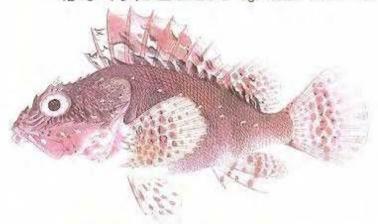
Scorpaenopsis oxycephala 262 6-10 ✓ < € 🗶 🖼 🖂 26°C sg: 1,022 30 cm 300L



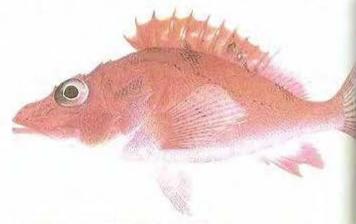
Scorpaena sp. 262 12 √ √ () ★ 🖫 🗔 24°C sg: 1.022 10 cm 100L

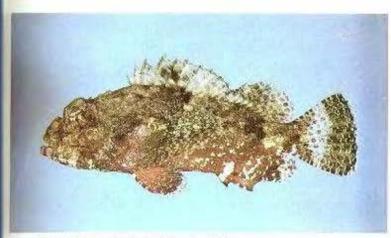


Scorpaena sumptuosa 262 12 ◇ 文 ◆ 火 覧 □ 24°C sg: 1.023 30 cm 300L



Scorpaena neglecta 262
5,7 < □ 文 1 26°C sg: 1.022 30 cm 300L 6-7 < □ 文 1 26°C sg: 1.022 13 cm 150L





Scorpaenopsis brevifrons 262 6-7,9 → • ○ 火 📠 🗔 26°C sg: 1.022 10.5 cm 100L



Scorpaenopsis oxycephala 262 6-10 ◇ → () ★ 🚂 🚅 26°C sg: 1.022 30 cm 300L



Scorpaenopsis diabolus 262 6-10 ◇ → € ※ □ 26°C sg: 1.022 30 cm 300L



Sebastapistes strongia 262 7-9 ◇ → ① ★ 🗗 🗀 26°C sg: 1.022 10 cm 100L



Scorpaenopsis gibbosa 262 9-10 ✓ ≺ € 🛠 🖬 🗔 26°C sg: 1.022 10 cm 100L



Scorpaenopsis oxycephala 262 6-10 ✓ < € 火 届 ⊒ 26°C sg: 1.022 30 cm 300L





Sebastapistes sp. 262 7 ~ • • • ★ 🖬 🗆 26°C sg; 1.022 10 cm 100L

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| Iracundus signifier 262 | 6-9 ~ . • • ★ 🖬 🖂 26°C sg; 1.022 10 cm 100L



Sebastapistes cyanostigma 262 6-9 ✓ 🕻 🛠 🛣 🖾 26°C sg: 1.022 7 cm 80L



Scorpaenopsis sp. 262 7,9 ~ ~ • ★ 🚾 🗔 26°C sg: 1.022 8 cm 80L



Scorpaenopsis sp. 262 7,9 → 1 → 1 → 1 = 26°C sg: 1.022 18 cm 200L



Scorpaena picta 262 5, 7-9, 12 ~ ~ 0 ★ 🖬 🗆 26°C sg: 1.022 12 cm 🕾



Scorpaena sp. 262 7, 12 ~ ↑ ↑ ★ 🖬 🗆 26°C sg: 1.022 22 cm 200L



Scorpaenopsis sp. 262 7, 9 ~ ~ ① ★ 🖬 🗔 26°C sg: 1.022 20 cm 200L



Scorpaenopsis diabolus 262 6-10 ~ ~ ○ ※ № 🖼 26°C sg: 1.022 30 cm 300L

Plate #95



Sebastes atrovirens 262 3, 4 ~ ~ • • ★ 🖼 🖂 24°C sg: 1.023 42 cm 500L



Sebastes auriculatus 262 3, 4 ~ ~ ○ ※ № 🗔 25°C sg: 1.022 55 cm 600L



Sebastes carnatus 262 4 ~ ~ ○ 火 🚡 🗆 23°C sg: 1.023 40 cm 400L



Sebastes caurinus 262 4 ~ ~ ○ 火 🚡 🗔 24°C sg: 1.022 40 cm 400L



Sebastes chrysomelas 262 4 ~ ~ • • ★ 🖬 🗔 22°C sg: 1.024 39 cm 400L



Sebastes constellatus 262 4 ~ • ○ 火 🚡 🗆 24°C sg: 1.023 30 cm 300L



Sebastes dallil 262 4 ~ ~ € ★ 🗗 🖂 22 °C sg: 1.024 20 cm 200L



Sebastes maliger 262 4 ~ ~ ○ * ■ □ 24°C sg: 1.023 60 cm 600L



Sebastes mystinus 262 4 ~ ~ € ★ 🗔 22°C sg: 1.024 53 cm 500L



Sebastes nigrocinctus 262 4 √ √ 0 ★ 🗖 22°C sg: 1.024 61 cm 600L



Sebastes paucispinis 262 3, 4 • ★ 🖬 🖃 = 22°C sg: 1.024 90 cm 1000L



Sebastes rosaceus 262 3, 4 ~ 5 € 🗷 🖾 🖾 22°C sg: 1.024 36 cm 400L



Sebastes melanops 262 4 → 10 × 15 □ 22°C sg: 1.024 60 cm 600L



Sebastes nebulosus 262 4 ~ • • • ★ 🖬 🖃 22°C sg: 1.024 43 cm 400L



Sebastes pinniger 262 4 √ √ ○ ★ 🗖 🖃 22°C sg: 1.024 76 cm 800L



Sebastes ruberrimus 262 4 ~ ~ ○ * • □ 21°C sg: 1.024 91 cm 1000L



Sebastes serriceps 262 4~~ (火炬 _ 23°C sg; 1.024 41 cm 400L



Sebastes miniatus 262 4 √ √ 1 ★ **n** _ 23°C sg: 1.024 76 cm 800L



Sebastes serranoides 262 4 √ √ (★ 🗗 🗆 23°C sg: 1.024 61 cm 600L





Sebastes rubrivinctus 262 4 ~ ~ ● 米 由 □ 22°C sg: 1.024 51 cm 500L



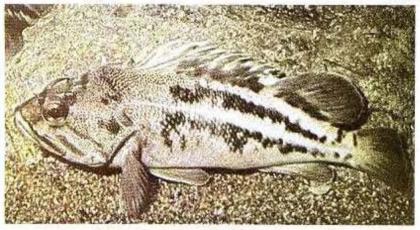
Sebastes umbrosus 262 4 ✓ ✓ ♦ ♦ ★ L 22°C sg: 1.024 27 cm 300L



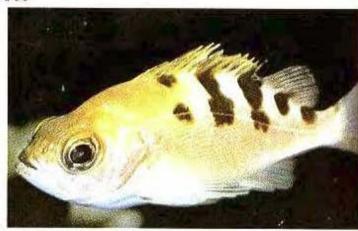
Sebastes marinus 262 1, 14 ~ • • ★ ★ □ 22°C sg: 1.024 51 cm 500L



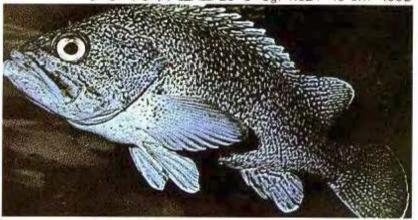
Sebastes sp. 262 4 ~ 5 ~ € 🛠 🖪 __ 22°C sg: 1.024 50 cm 500L



Sebastes trivittatus 262 5 ~ ~ 0 % № 🗀 23°C sg: 1.024 40 cm 400L



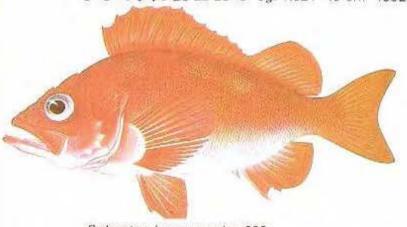
Sebastes joyneri 262 5~5~10火炬园 23°C sg: 1.024 20 cm 200L



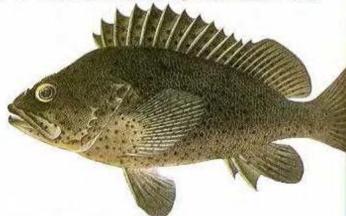
Sebastes nivosus 262 5 ~ • • ★ **h** □ 23°C sg: 1.024 40 cm 400L



Sebastes inermis 262 5 ~ ~ € * 🗗 🗆 23°C sg: 1.024 35 cm 400L

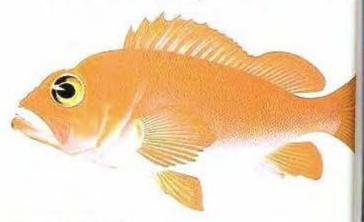


Sebastes baramenuke 262 5 → 1 + 1 = 23°C sg: 1.024 45 cm 500L



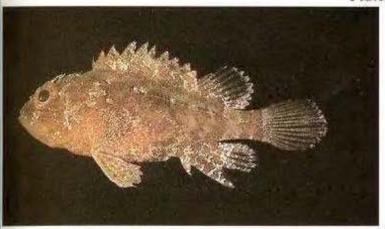
Sebastes pachycephalus 262 5 ~ • • ★ 🗗 🗆 23°C sg: 1.024 40 cm 400L



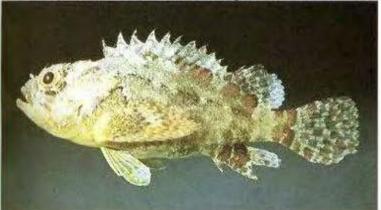


Sebastes oblongus 262 5 √ √ 0 ★ № 1 23°C sg: 1.024 40 cm 400L 5 √ √ 0 ★ 1 23°C sg: 1.024 70 cm 700L

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Scorpaenodes scaber 262 6-8, 12 ✓ ¬ ○ ※ № □ 25°C sg: 1.022 63 cm 600L



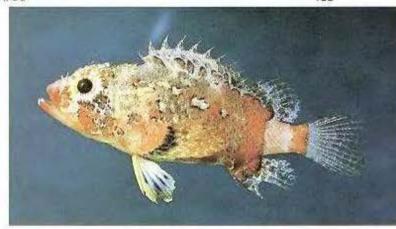
Scorpaenodes sp. 262 7-8, 12 ◇ ▼ ● 実 屋 □ 25°C sg: 1.022 12 cm 150L



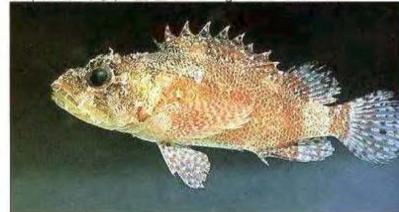
Scorpaenodes carribbaeus 262 2 → • • • ★ 🖾 🖂 26°C sg: 1.023 10 cm 100L



Scorpaenodes xyris 262 3, 4 √ √ 0 ★ 🗔 🖂 26°C sg: 1.023 15 cm 200L



Scorpaenodes varipinnis 262 7-8, 12 ✓ ¬ • ★ ﷺ □ 25°C sg: 1.022 5 cm 50L



Scorpaenodes sp. 262 7-8, 12 ~ ~ € ★ 🖾 🖂 25°C sg: 1.022 8 cm 100L



Scorpaenodes insularis 262 13 ✓ 🕻 🛠 🖾 🖂 26°C sg; 1.022 6.5 cm 80L



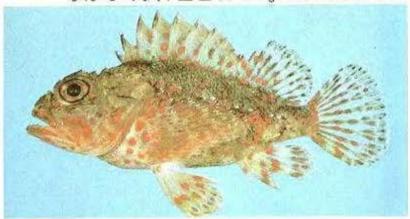
Scorpaenopsis sp. 262 8 ~ • • • ★ 🖼 🗔 26°C sg: 1.022 15 cm 200L



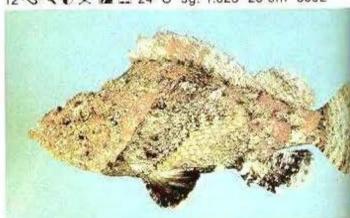
Scorpaenopsis diabolus 262 6-10 ~ () 奖 量 I 26°C sg: 1.022 30 cm 300L



Scorpaena cooki 262 12 ◇ 文 ◆ 文 蛭 □ 24°C sg: 1.023 26 cm 300L



Scorpaena ballieul 262 6 ~ • • • ★ 📠 🗔 26°C sg: 1.022 10 cm 100L



Scorpaenopsis diabolus 262 6-10 ✓ ✓ ○ ※ ☎ □ 24°C sg: 1.023 30 cm 300L



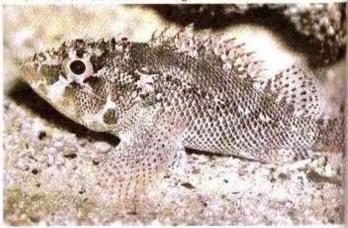
Scorpionfish 262 3? ✓ ५ ♠ ★ 🖬 🗔 26°C sg: 1.022 15 cm 200L



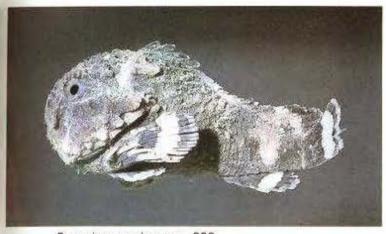
Scorpaenodes sp. 262 7 ✓ √ 0 🗴 🛣 🗀 26°C sg: 1.022 10 cm 100L



Scorpaenodes kelloggi 262 6-7, 9 → • • ★ 🗗 🖸 26°C sg: 1.022 5 cm 60L



Scorpaenodes littoralis 262 7 → 1 1 15 cm 200L



Dampierosa daruma 263 12 ~ ~ ○ * ➡ □ 24°C sg: 1.023 16 cm 200L



Inimicus filamentosus 263 9-10 ~ ~ ① ★ ➡ 🗔 26°C sg: 1.022 18 cm 200L



Inimicus caledonicus 263 7-9 → • • ★ 🖬 🗆 26°C sg: 1.022 12 cm 150L



Minous versicolor 263 12 ~ ~ ○ ★ 🖬 🗔 26°C sg: 1.022 8 cm 100L



Erosa erosa 263 8 ~ • • ★ 🗗 🖂 26°C sg: 1.022 15 cm 200L



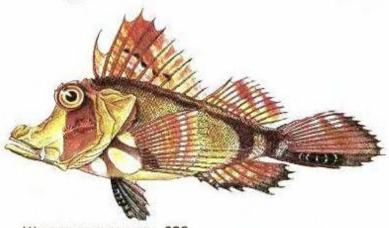
Inimicus filamentosus 263 9-10 ~ ~ ○ ★ 🗗 🗆 26°C sg: 1.022 18 cm 200L



Inimicus sp. 263 8 ~ • ○ * 🕞 🗔 26°C sg: 1.022 15 cm 200L



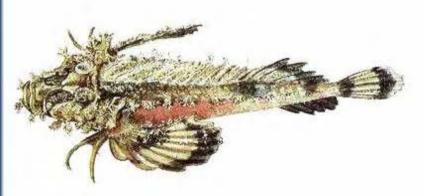
Minous quincarinatus 263 7 ∼ → 0 火 🖬 🗔 26°C sg: 1.022 15 cm 200L



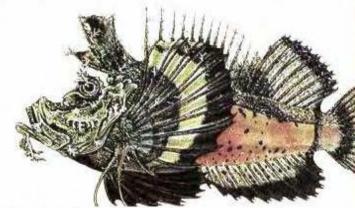
Hipposcorpaena sp. 262 5, 7, 9 • ♥ ※ № □ 26°C sg: 1.022 23 cm 300L



Hipposcorpaena sp. 262 5, 7, 9 ◇ 、 ① 火 編 □ 26°C sg: 1.022 23 cm 300L



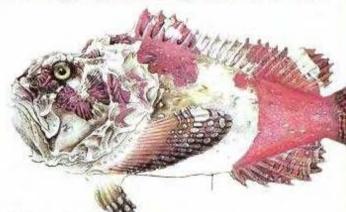
Inimicus didactylus 263 6-8 ~ ~ ○ 火 幅 □ 26°C sg: 1.022 20 cm 200L



Inimicus didactylus 263 6-8 ~ • • ★ 🖼 🗔 26°C sg: 1.022 20 cm 200L



Aploactis aspera 265 5 → • • • ★ 🚾 🖃 24°C sg: 1.023 10 cm 100L



Erosa erosa 263 8 ~ • • ★ № □ 26°C sg: 1.022 15 cm 150L



Cocotropus dermacanthus 265 7 ~ • • ★ 😭 🗀 26°C sg: 1.022 4 cm 50L

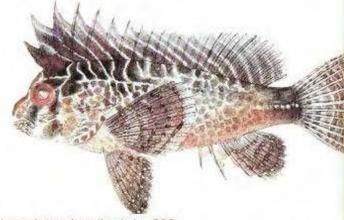


Plate #103 157



Synanceia verrucosa 6-10 ~ √ √ ♥ ★ □ 26°C sg: 1.022 35 cm 400L



Synanceia alula 263 7 ~ ~ ○ * □ 26°C sg: 1.022 85 cm 1000L



Inimicus sinensis 263 7-9, 12 ~ ¬ • ↑ ★ 🖼 🗔 26°C sg: 1.022 25 cm 300L



Perryena leucometopon 267 12 ✓ ¬ ○ ★ № □ 24°C sg: 1.024 16 cm 200L



Caracanthus maculatus 264 6-7 ✓ 🔩 🗘 🗣 🗔 26°C sg: 1.022 5.5 cm 600L



Synanceia verrucosa 263 7, 9-10 ~ ~ • ↑ * ¥ □ 26°C sg: 1.022 35 cm 40%



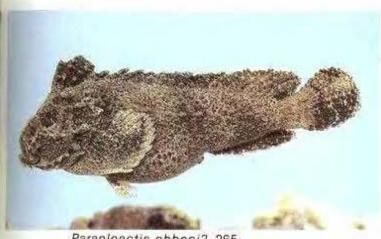
Glyptauchen panduratus 262 12 ◇ → ① ※ № 🗔 26°C sg: 1.022 10 cm 100L



Amblyapistus taenionotus 267 7 ~ ~ ○ * \$ □ 26°C sg: 1.022 12 cm 150L



Caracanthus madagascariensis 264 9 ~ - ~ € ♥ ﷺ 🗔 26°C sg: 1.022 5 cm 50L



Paraploactis obbesi? 265 7 ◇ 、 ○ 火 届 □ 26°C sg: 1.022 5 cm 50L



Pataecus fronto 266 12 ~ ~ ○ 火 ‰ 🗔 24°C sg: 1.023 12 cm 150L



Neopataecus waterhausi 266 12 ✓ ¬ • ★ № 🗔 26°C sg: 1.022 6.0 cm 60L



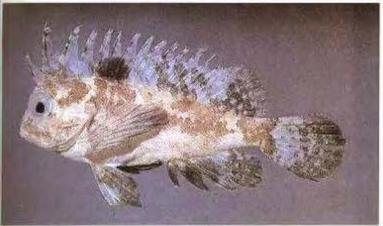
Neopataecus waterhausi 266 12 ✓ ✓ ♦ 🛠 🖾 🗆 24°C sg: 1.023 6.0 cm 60L



Hypodytes rubripinnis 262 7 ◇ → ① ★ 월 □ 26°C sg: 1.022 11 cm 100L



Hypodytes sp. 262 7,9 √ √ € № № □ 26°C sg: 1.022 5 cm 50L



Paracentropogon vespa 262 7-8 √ → € 🛠 🖾 🖂 26°C sg: 1.022 9 cm 100L



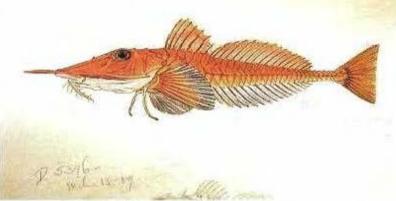
Hypodytes leucogaster 262 7-9 ✓ 、 ○ 🏃 🖼 🗀 26°C sg: 1.022 5 cm 50L



Bellator gymnostethus 268 3 9 ~ ~ 0 ₺ 面 🗆 26°C sg: 1.022 9 cm 100L



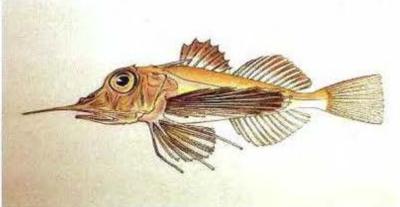
Chelidonichthys spinosus 268 7 º ∼ • • ★ 🕟 🖾 26°C sg: 1.022 40 cm 400L



? Peristedion sp. 268 7 2 ~ • • ★ 🚡 🗆 26°C sg: 1.022 15 cm 200L



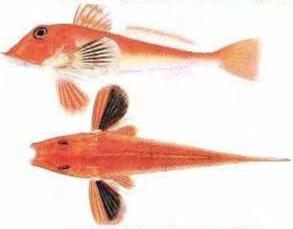
Satyrichthys laticephalus 268 5 ♀ ~ ~ ● ★ 📾 🗆 24°C sg: 1.023 30 cm 300L



Dixiphichthys hoplites 268 7 ♀ ~ • • ★ 📠 🗆 26°C sg: 1,022 20 cm 200L



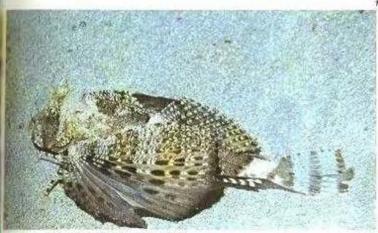
Pterygotrigla multiocellatus 268 5,7 字 〜 、 ① 火 西 ロ 26°C sg: 1.022 35 cm 300L



 Lepidotrigla microptera 268
 Paratrigla vanessa 268

 7 ♀ ∽ ~ ○ ★ ► □ 24°C sg: 1.022 30 cm 300L
 7-9, 11-12 ♀ ~ ~ ○ ★ □ □ 26°C sg: 1.022 50 cm 500





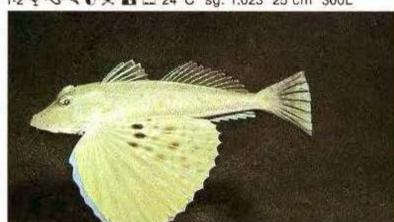
Prionotus ophryas 268 2 ℃ ~ € ※ 🖼 🗆 26°C sg: 1.022 23 cm 300L



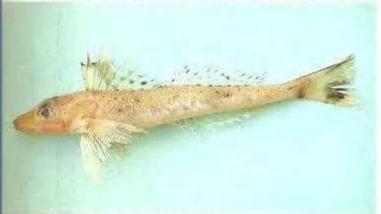
Prionotus scitulus 268 1-2 € ~ ~ 0 × 📠 🗆 24°C sg: 1.023 25 cm 300L



Prionotus carolinus 268 19 ~ 0 × 1 = 24°C sg: 1.023 38 cm 400L



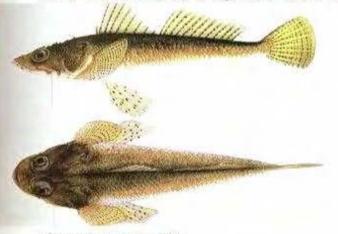
Prionotus rubio 268 2 ♀ ~ • ○ ★ 🗗 🗆 26°C sg: 1.022 23 cm 300L



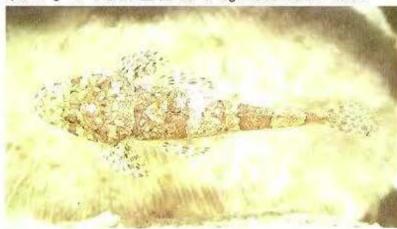
Bembras japonicus 269 7 º ~ · 0 ★ 🖬 🗆 24°C sg: 1.022 30 cm 150L



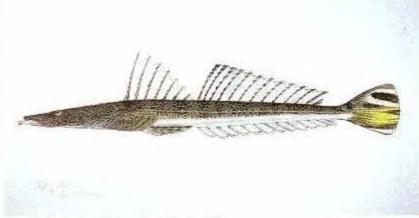
Cociella crocodila 269 7, 9-10 9 ~~ 0 火 面 🗆 26°C sg: 1.022 50 cm 500L



Onigocia spinosa 269 59~~0米面二24°C sg: 1.022 10 cm 100L



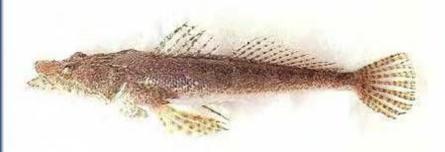
Thysanophrys otaitensis 269 6-9 2 ~ ~ 0 ★ m □ 26°C sg: 1.022 25 cm 300L



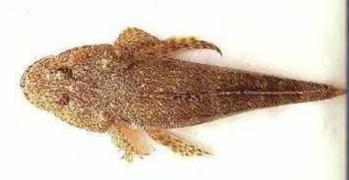
Platycephalus indicus 269 7-10, 15 ~ • ○ ※ 📻 🗆 26°C sg: 1.022 100 cm 1000L



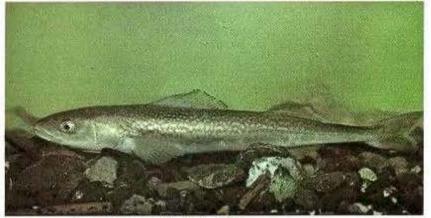
Inegocia guttata 269 5, 7 → 10 ★ 🖬 🗔 25°C sg: 1.022 50 cm 500L



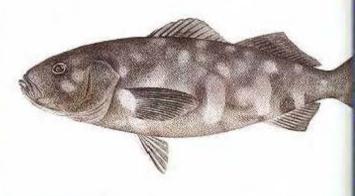
Onigocia macrolepis 269 5, 7 → • • ★ 🖬 🗆 25°C sg: 1.022 12 cm 150L



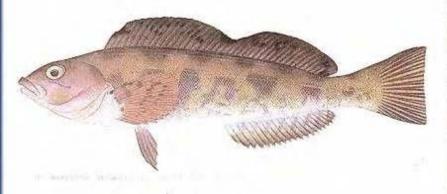
Onigocia macrolepis 269 5, 7 → • • ★ 🖬 🗆 25°C sg: 1.022 12 cm 150L



Anoplopoma timbria 271 3-5 ~ ↑ ① ★ 🖬 🗆 23°C sg: 1.024 76 cm 800L



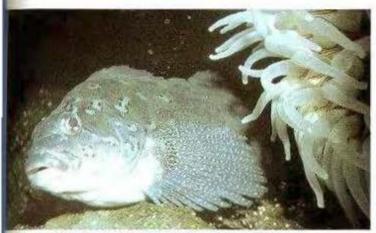
Erilepis zonifer 271 4, 5 ~ ~ ○ * ➡ 🗆 25°C sg: 1.022 183 cm 2000



Hexagrammos otaki 272 5 ~ ~ ○ * \$ □ 24°C sg: 1.023 40 cm 400L



Hexagrammos sp. 272 4~5~€ 繁 □ 24°C sg: 1.023 40 cm 400L



Hexagrammos decagrammus 272 4 ~ ~ ○ ★ 1 □ 23°C sg: 1.023 50 cm 500L



Hexagrammos decagrammus 272 4~5~0 火 圙 □ 23°C sg: 1.023 50 cm 500L



Oxylebius pictus 272 4 ~ 5 ~ € № № □ 24°C sg: 1.023 15 cm 200L



Oxylebias pictus 272 4 ~ 、 ○ 火 編 □ 24°C sg: 1.023 15 cm 200L



Ophiodon elongatus 272 4 ~ ~ ○ * ₩ □ 23°C sg: 1.024 152 cm 1500L



Pleurogrammus azonus 272 5 ~ ~ ○ * 1 = 24°C sg: 1.023 70 cm 800L



Zaniolepis frenata 273 4 ~ ~ € ★ 🔁 🖵 24°C sg: 1.023 10 cm 100L



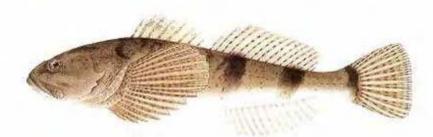
Zaniolepis latipinnis 273 4 ~ ~ € ★ 🖼 🖂 24°C sg: 1.023 30 cm 300L



Artedius harringtoni 276 4 ♀ ◆ ♥ ☎ □ 23°C sg: 1.024 10 cm 100L



Clinocottus analis 276 3-4 ♀ ✓ 、 ○ ★ № □ 26°C sg: 1.022 18 cm 200L



Cottus kazika 276

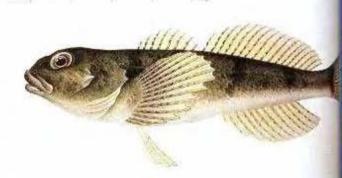


Enophrys diceraus 276

4 ♀ ∨ ▼ № № □ 23°C sg: 1.023 37 cm 400L

Enophrys bison 276

4 ♀ ∨ ▼ ○ ♥ № □ 23°C sg: 1.023 37 cm 400L



us kazika 276 Cottus pollux 276

\$\sigma \text{\$\mathbb{C}\$} \square \text{\$\mathbb{C





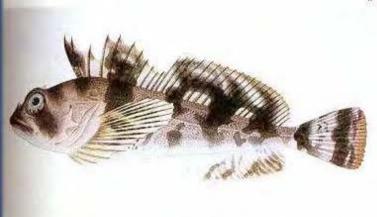


Gymnocanthus detrisus 276

5 ♀ ▼ ▼ ▼ □ 24°C sg: 1.023 10 cm 100L

Gymnocanthus herzensteini 276

5 ♀ ▼ ● ▼ □ 24°C sg: 1.023 10 cm 100L



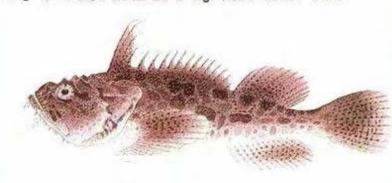
Hemilepidotus gilberti 276 5 ℃ へ 0 火 ☎ □ 24°C sg: 1.023 36 cm 400L



Hemilepidotus hemilepidotus 276 4 ℃ ~ € ★ 🖾 🗆 22°C sg: 1.024 50 cm 500L



Hemitripteris americanus 276 1 ♀ ◇ → ○ 火 ☎ □ 22°C sg: 1.024 40 cm 400L



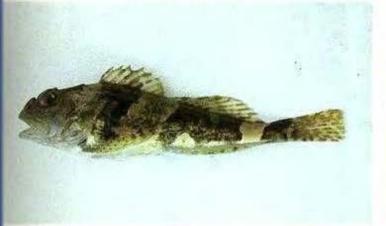
Hemitripteris villosus 276 5 ℃ ~ ① 火 ☎ □ 22°C sg: 1.024 40 cm 400L



Jordania zonope 276 4 ℃ ~ ♥ ※ 編 □ 23°C sg: 1.024 15 cm 150L



Leiocottus hirundo 276 3 ℃ ~ 0 火 ﷺ □ 26°C sg: 1.022 25 cm 300L



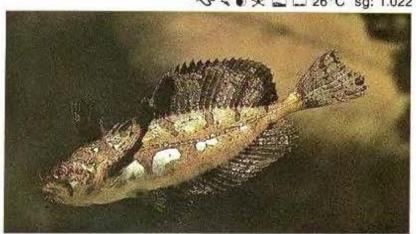
Myoxocephalus aeneus 276





Rhamphocottus richardsoni 276 4-5 ♀ ◆ ♥ ♥ □ 23°C sg: 1.024 8 cm 80L







Argyrocottus zanderi 276 5 ◇ € 🗴 🗔 🖵 23°C sg: 1.024 9 cm 100L





Scorpaenichthys marmoratus 276 49 ~ • • • ★ 🖾 🗆 23°C sg: 1.024 30 cm 300L





Pseudoblennius percoides 276 5 ℃ ~ ○ 火 ☎ □ 23°C sg: 1.024 20 cm 200L



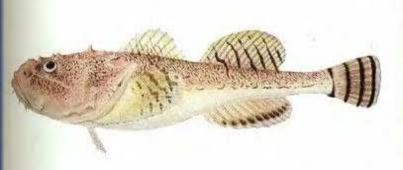
Pseudoblennius cottoides 276 5 ♀ ∽ ● ♥ № □ 23°C sg: 1.024 7 cm 80L



Nautichthys oculatasciatus 276 4 ♀ ▽ ¬ ○ 火 ☎ □ 23°C sg: 1.024 20 cm 200L



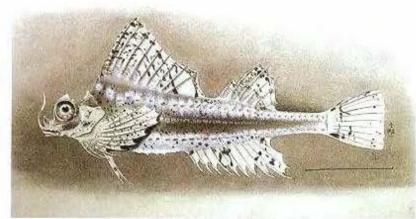
Taurulus bubalis 276 14-15 ♀ ◇ → ① ※ 📠 🗔 20°C sg: 1.024 17 cm 200L



Dasycottus japonicus 279 5 º ∼ • • ■ □ 23°C sg: 1.024 10 cm 100L



Psychrolutes paradoxus 279 4-5 ♀ ◇ ♥ ♥ ➡ □ 24°C sg: 1.023 6.4 cm 80L



Agonomalus proboscidalis 280 5 ~ • € ★ 🖼 🖂 24°C sg: 1.023 20 cm 200L



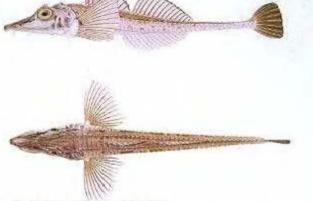
Agonomalus proboscidalis 280 5 ~ • ○ 火 届 □ 24°C sg: 1.023 20 cm 200L



Agonus acipenserinus 280 4 ◇ → ① 火 篇 □ 24°C sg: 1.023 30 cm 300L

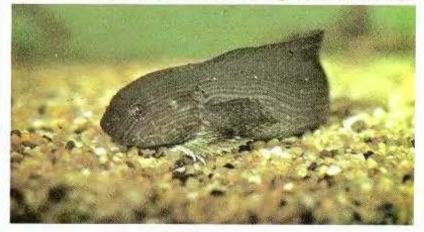


Occella verrucosa 280 4 ~ ~ 0 * № 日 24°C sg: 1.023 30 cm 300L



Podothecus sachi 280
5 > 1.023 50 cm 500L 14 > 1.023 50 cm 500L 1

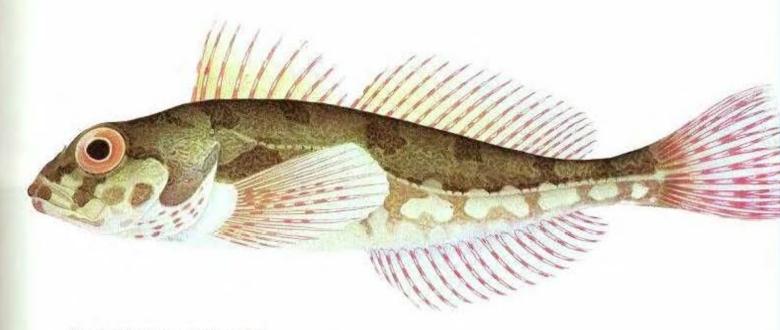




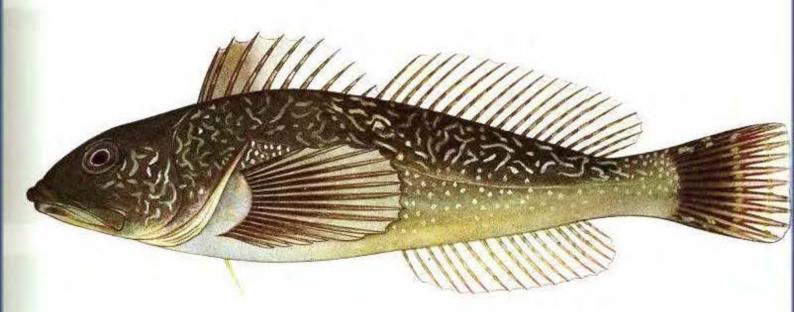
Liparis pulchellus 281 4-5 ~ ~ ① ★ 월 및 24°C sg: 1.023 30 cm 300L



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Pseudoblennius cottoides 276 5 ⅔ ❤ € ♥ 歸 □ 23°C sg: 1.024 7 cm 80L



Pseudoblennius percoides 276 5 ≥ √ √ 0 火 🖟 🗔 23°C sg: 1.024 20 cm 200L



Centropomus undecimalis 282 1-2 ◇ 、 ○ 火 堅 ⊟ 26°C sg: 1.022 110 cm 1200L



Centropomus nigrescens 282 3 ~ ~ ○ * ☑ ⊟ 26°C sg: 1.022 100 cm 1000L



Psammoperca waigiensis 282 7,9 2 ~ ~ ○ * 26 🖂 26°C sg: 1.022 35 cm 400L



Lates calcarifer 282 7-9 - 0 火 編 🗆 26°C sg: 1.022 150 cm 2000L



Ambassis macracanthus 282 9 ♀ ▼ • ○ ★ ➡ ➡ 26°C sg: 1.022 15 cm 200L

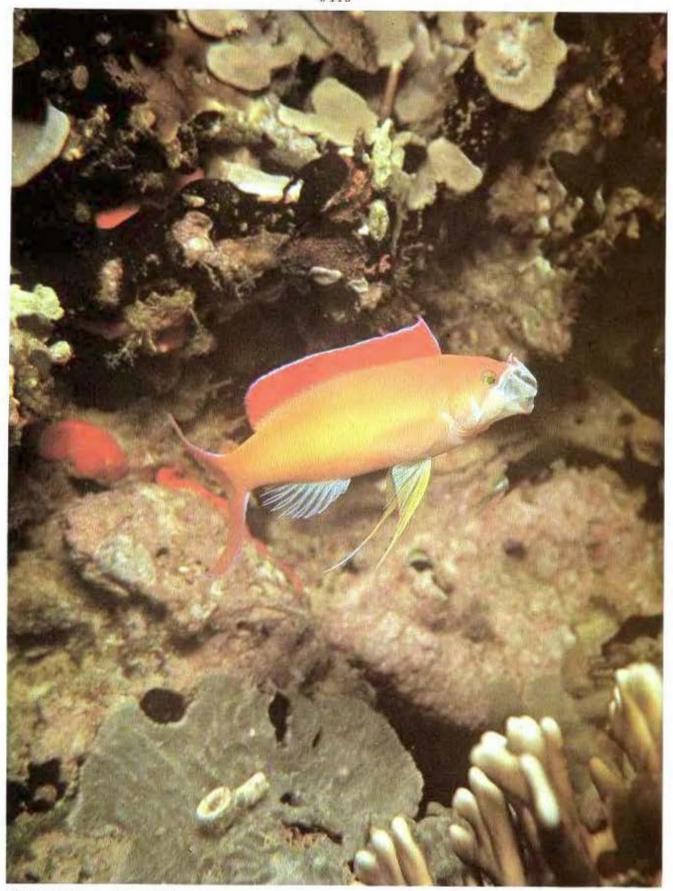


Chanda ranga 282 9 ~ ~ € ♥ 🖼 🖂 26°C sg: 1.022 8 cm 80L





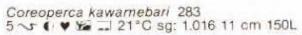
Ambassis interruptus 282 Dicentrarchus labrax 283
7, 9 ♀ ◇ ♥ ☞ □ 26°C sg: 1.022 8 cm 80L 14-15 ╮ € ★ № □ 21°C sg: 1.024 100 cm 1000L



Mirolabrichthys dispar 284 6-7 √ √ • ★ == 26°C sg: 1.022 10 cm 100L



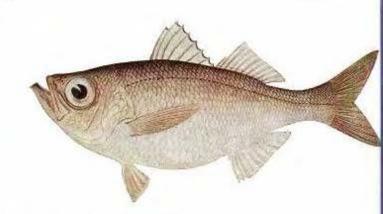
Stereolepis gigas 283 4-5 ~ • € ★ 🔄 25°C sg: 1.022 220 cm 2500L



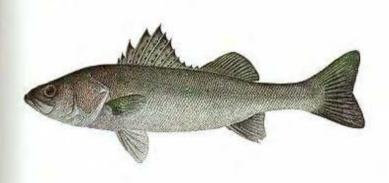




Doederleinia berycoides 283 5 ◇ 、 ○ 火 월 ⊟ 24°C sg: 1.023 40 cm 400L



Malakichthys wakiyai 283 5 ~ • ○ * 🕞 🖽 🖽 26°C sg: 1.022 48 cm 500L



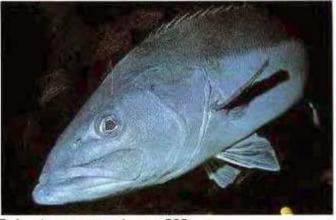
Lateolabrax japonicus 283 5 ◇ 、 ① 火 編 ⊟ 24°C sg: 1.023 150 cm 1500L



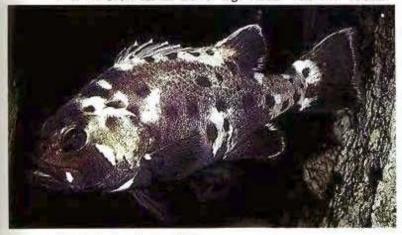
Morone saxatilis 283 1, 4 ~ ¬ ↑ ♥ ★ ➡ ☱ 24°C sg: 1.023 183 cm 2000L



Niphon spinosus 283 7 ◇ 、 ① 类 編 ⊟ 26°C sg: 1.022 100 cm 1000L

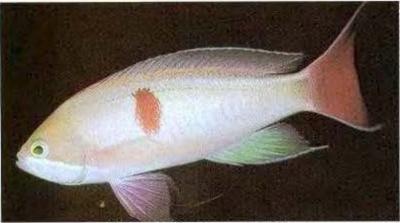


Polyprion oxygeneiosus 283 11 ~ ~ ○ * 🕞 🖹 🖹 22°C sg: 1.024 220 cm 2500L



Stereolepis gigas 283
4-5 √ √ ○ ★ 1 25°C sg: 1.022 220 cm 2500L 5 √ √ ○ ★ 1 24°C sg: 1.023 200 cm 2000L

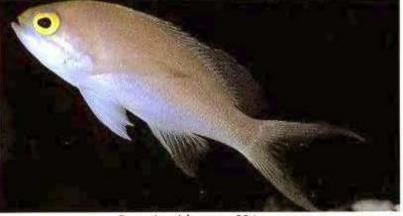




Pseudanthias kashiwae 284 7 ∕ √ √ € № № E 26° sg: 1.022 11 cm 100L



Mirolabrichthys bicolor 284
7, 9 ~ ~ • • ■ ⊟ 26°C sg: 1.022 13 cm 150L



Pseudanthias sp. 284 9 ~ • • • ★ = 26° sg: 1.022 10 cm 100L



Pseudanthias luzonensis 284 6 7-8 ✓ ✓ ♦ ❤ ﷺ 🗄 26° sg: 1,022 10 cm 100L



Pseudanthias kashiwae 284 7 🌣 🥆 🜓 ♥ 🎏 🖽 26° sg; 1.022 11 cm 100L



Mirolabrichthys ignitus 284 7,9 ~ ~ € ♥ \$\overline{\text{E}} \overline{\text{E}} \overline{\text{C}} \overline{\text{cg}} \overline{\text{C}} \overline{\text{cg}} \overline{\text{C}} \o



Pseudanthias truncatus 284 7 ~ ~ € ♥ ₩ 🖽 26° sg: 1.022 10 cm 100L



Pseudanthias luzonensis 284 7-8 🍑 🤜 🕩 🎏 26° sg: 1.022 10 cm 100L



Nemanthias carberryi 284 9 ♀ ◆ ♥ ₩ 🖽 🖽 26°C sg: 1.022 7 cm 80L



Nemanthias carberryi 284 9 ♀ ◆ € ♥ 届 ⊟ 26°C sg: 1.022 7 cm 80L



Mirolabrichthys evansi 284 5, 7-9 2 ~ € ♥ № ⊟ 26°C sg: 1.022 10.5 cm 100L



Nemanthias carberryi 284 9 ♀ ◆ ♥ ♥ □ □ 26°C sg: 1.022 7 cm 80L



Mirolabrichthys imeldae 284 7 ℃ ♥ ♥ 日 26°C sg: 1.022 10 cm 100L



Anthias anthias 284 15 ✓ • • ▼ 🖼 🖽 26°C sg: 1.022 25 cm 250L



Pseudanthias ventralis ventralis 284 6 ∼ √ 0 ♥ ₩ 🖽 26° sg: 1.022 7 cm 70L



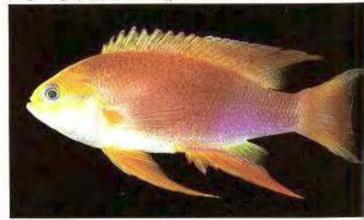
Pseudanthias pleurotaenia 284 7-8 ✓ ✓ € ♥ № ⊞ 26° sg: 1,022 10 cm 100L



Pseudanthias rubrizonatus 284 7 ✓ 🖈 🛈 🔻 🚾 😑 26° sg: 1.022 12 cm 150L



Mirolabrichthys thompsoni 284 6 ~ ~ • ♥ 🖼 🖽 26°C sg: 1.022 19 cm 200L





Pseudanthias squamipinnis 284 of 6-10 ✓ ✓ ♥ ❤ 🖼 🖽 26° sg: 1.022 10.5 cm 100L



Pseudanthias squamipinnis 284 6-10 ~ ~ ● ♥ 🖼 🖽 26° sg: 1.022 10.5 cm 100L



Pseudanthias hutchi 284 7 ~ • • • ▼ № E 26° sg: 1.022 10 cm 100L



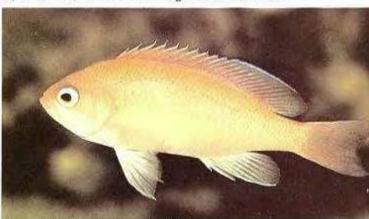
Pseudanthias taeniatus 284 10 ~ • • ♥ № = 26° sg: 1.022 13 cm 100L



Pseudanthias sp. 284 10 ~ ~ € ♥ № = 26° sg: 1.022 10 cm 100L







Pseudanthias engelhardi 284 8 ~ ~ € ♥ ₩ 🗠 26° sg: 1.022 4 cm 50L





 Pseudanthias tenuis 284
 Pseudanthias pictilis 284

 2 → → ○ ♥ № □ 26° sg; 1.022 10 cm 100L
 12 → → ○ ♥ № □ 24° sg; 1.023 9 cm 100L



Mirolabrichthys bartletti 284 6 → ¬ • • ■ ⊟ 26°C sg: 1.022 17 cm 200L



Pseudanthias pleurotaenia 284 ♀ 7-8 ❖ ❖ ♥ ❤️ ☱ 달 26° sg: 1.022 10 cm 100L



Mirolabrichthys tuka 284 7 ~ ~ 0 ♥ \$\varpise \equiv \text{\$\overline{1}} \equiv \text{\$\overline{1}\$ \equiv \text



Mirolabrichthys pascalus 284 6 ~ ~ • • ₩ \overline \overline \overline 26°C sg: 1.022 17 cm 200L



Mirolabrichthys tuka (juv.) 284 7 ~ ~ • ♥ ■ ⊟ 26°C sg: 1.022 13 cm 150L



Mirolabrichthys imeldae 284 7 → • • ★ 🖽 🖂 26°C sg: 1.022 9 cm 100L



Paranthias colonus 284 3 ~ ~ € ♥ 🖼 🖽 26°C sg: 1.022 30 cm 300L

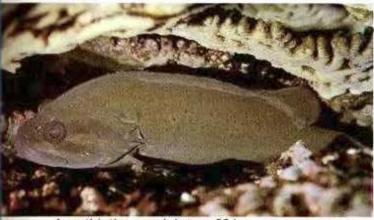


Paranthias furcifer 284 2 ~ ~ ● ♥ \$\overline{1}{12}\$ \overline{1}{12}\$ \overline{1}



Mirolabrichthys smithvanizi 284 7,9 ~ • • ♥ ☎ ⊟ 26°C sg: 1.022 6 cm 60L







Anyperodon leucogrammicus 284 7,9-10 ◇ → ① 火 區 □ 26°C sg: 1.022 50 cm 500L



Mirolabrichthys dispar 284 6-7 ~ ~ € ♥ ﷺ 🖽 26°C sg: 1.022 10 cm 100L



Pseudanthias squamipinnis 284 6-10 ~ ~ ● ♥ ☎ ⊟ 26° sg: 1.022 10.5 cm 100L



Aethaloperca rogaa 284 7, 9-10 ✓ 🔻 🕩 🎏 🖽 26°C sg: 1.022 60 cm 600L



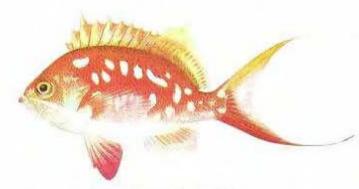
Anyperodon leucogrammicus 284 7, 9-10 ~ → • ▼ 🖼 🖂 26°C sg: 1.022 50 cm 500L



Sacura parva 284 7, 12 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 7 cm 80L



Serranocirrhitus latus 284 7 ℃ ♥ ♥ □ 26°C sg: 1.022 8 cm 80L



Sacura margaritacea 284 5, 7 9 ~ 0 ♥ № □ 26°C sg: 1.022 13 cm 150L



Sacura margaritacea 284 5, 7 ♀ ◇ ♥ ❤️ 🗔 24°C sg: 1.023 13 cm 150L



Odontanthias fuscipinnis 284 6 2 ~ 0 ♥ № 🖂 26°C sg: 1.022 19 cm 200L



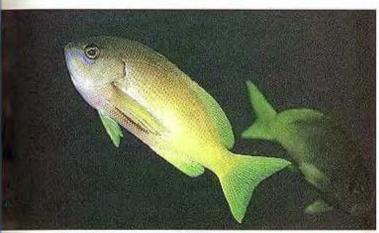
Odontanthias elizabethae 284 6 % ~ 0 ♥ ₩ 🖂 🖂 26°C sg: 1.022 17 cm 150L



Holanthias martinicensis 284 2 ♀ ◆ ♥ ♥ □ 26°C sg: 1.022 20 cm 200L



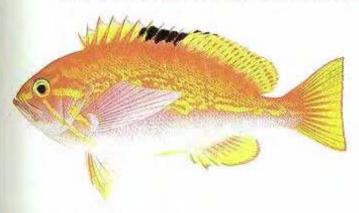
Holanthias borbonius 284 7, 9, 12 ♀ ◇ ♥ ♥ □ 23°C sg: 1.024 10 cm 100L



Caesioperca rasor 284 ♀ 12 ∿ √ № □ 24°C sg: 1.023 18 cm 200L



Caesioperca rasor 284 ♂ 12 ~ ~ ① ♥ 题 □ 24°C sg: 1.023 18 cm 200L



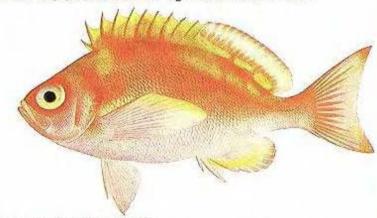
Caprodon schlegeli 284 3,5-8 ~ ~ • • ★ 🖬 🗔 26°C sg: 1.022 40 cm 400L



Caesioperca lepidoptera 284 11 ◇ 、 ○ 火 區 □ 22°C sg: 1.024 30 cm 300L



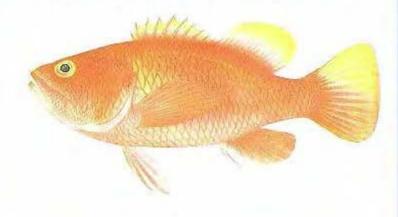
Caprodon longimanus 284 11, 12 ~ ~ € ♥ ﷺ 🗔 22°C sg: 1.024 3.5 cm 50L



Caprodon schlegeli 284 3, 5-8 ~ • ○ ★ 🖾 🗔 26°C sg: 1.022 3.5 cm 50L



Gonioplectrus hispanus 284 2 ~ • ○ * ➡ □ 26°C sg: 1.022 30 cm 300L



Plectranthias japonicus 284 7 ◇ 、 ① 火 區 □ 23°C sg: 1.024 100 cm 100L



Gracila albomarginata 284 7, 9 ♀ ◇ → ♠ ※ ➡ □ 26°C sg: 1.022 50 cm 500L



Cephalopholis argus 284 6-10 ♀ ✓ ¬ € ※ 📠 🗆 26°C sg: 1.022 50 cm 500L



Cephalopholis pachycentron 284 7,9 ♀ ∽ ¬ ♥ ※ 📾 🖂 26°C sg: 1.022 30 cm 300L



Cephalopholis aurantia 284 9 ♀ ∽ ¬ • ★ 📠 🗔 26°C sg: 1.022 60 cm 600L



Cephalopholis polleni 284 7, 9 2 ~ . 0 × 庙 🗔 26°C sg: 1.022 35 cm 400L



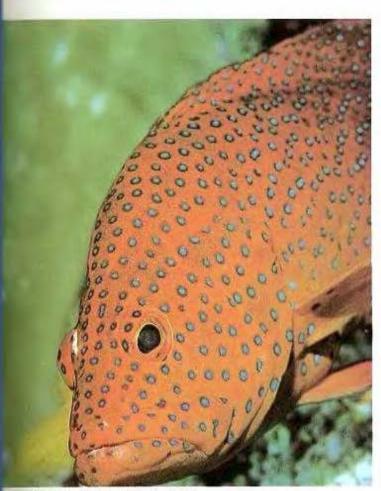
Cephalopholis boenack 284 6-9 ♀ ✓ 、 ○ ※ 🖻 🗆 26°C sg: 1.022 35 cm 400



Cephalopholis leopardus 284 7, 9 ⅔ 🍑 🤜 🕩 🛣 🚅 26°C sg: 1.022 20 cm 20



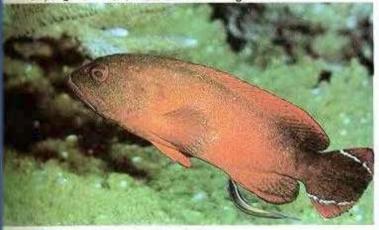
Cephalopholis nigripinnis 284 9 ♀ ∽ • • ★ 📾 🗔 26°C sg: 1.022 25 cm 300L



Cephalopholis miniata 284 7,9-10 ⅔ ∿ ★ € ※ ➡ □ 26°C sg: 1.022 45 cm 500L



Cephalopholis sonnerati 284 67,9 ♀ ~ ~ ○ 火 ➡ □ 26°C sg: 1.022 57 cm 600L



Cephalopholis urodelus 284 7,99 ~ • ○ ★ 🖬 🗆 26°C sg: 1.022 25 cm 300L



Cephalopholis miniata 284 7, 9-10 ♀ ◇ ▼ ♠ ➡ ➡ 26°C sg: 1.022 45 cm 500L



Cephalopholis sexmaculata 284 6-10 ♀ ◇ 、 ○ 火 🖬 🗔 26°C sg: 1.022 50 cm 500L



Cephalopholis sonnerati 284 6-7, 9 ♀ ◇ ¬ ○ ★ 🖬 🗔 26°C sg: 1.022 57 cm 600L



Cephalopholis urodelus 284 7, 9 ♀ ◇ → ♠ ★ 🖬 🗆 26°C sg: 1.022 25 cm 300L



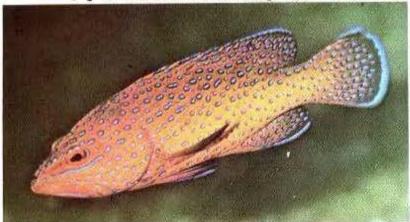
Cephalopholis panamensis 284 3 2 ~ C X E 26°C sg: 1.022 30 cm 300L



Cephalopholis fulva 284 2 2 ~ 10 % ■ □ 26°C sg: 1.022 30 cm 300L



Cephalopholis analis 284 6 € ✓ C ★ 🖃 🗆 26°C sg: 1.022 60 cm 600L



Cephalopholis taeniops 284 13 ♀ ▽ ¬ ○ ★ ➡ □ 26°C sg: 1.022 30 cm 300L



Cephalopholis cruentatus 284 2 2 ~ ~ 0 ★ 🗗 🗆 26°C sg: 1.022 30 cm 300L



Cephalopholis fulva 284 2 ℃ 、 ○ 火 🚡 🗔 26°C sg: 1.022 30 cm 300L



Cephalopholis hemistiktos 284 9-10 ♀ ▽ ▼ © ≭ ➡ □ 26°C sg: 1.022 25 cm 300L



Epinephelus fasciatus 284 6-10 ♀ ✓ • ○ ★ 🖬 🗔 26°C sg: 1.022 35 cm 350L

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Cephalopholis sexmaculata 284 6-10 ✓ ✓ € ★ 🖬 🗆 26°C sg: 1.022 47 cm 500L



Epinephelides armatus 284 12 ♀ ▼ • ○ ★ 🚡 🗔 24°C sg: 1.022 30 cm 400L



Epinephelus fario 284 7,9 ♀ ▼ • ○ ★ 🖬 🗆 26°C sg: 1.022 38 cm 400L



Epinephelus fuscoguttatus 284 69 ℃ ~ ○ ♥ ➡ ➡ 26°C sg: 1.022 90 cm 1000L



Epinephelus hexagonatus 284 5, 7, 9 ♀ ▽ → ● メ 🚡 🗆 26°C sg: 1.022 25 cm 300L



Epinephelus caeruleopunctatus 284 7, 9 ♀ ▽ ▼ ♥ ※ ☎ □ 26°C sg: 1.022 75 cm 800L



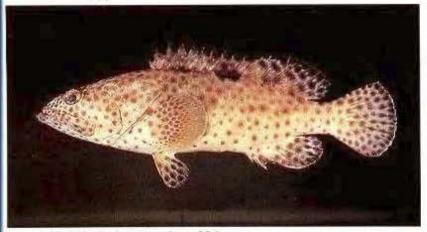
Epinephelus fasciatus 284 7,9 ♀ ~ • ○ ★ 🖬 🗆 26°C sg: 1.022 35 cm 400L



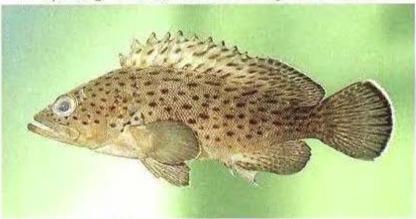
Epinephelus rivulatus 284 5, 7, 9 ♀ ◇ 、 ○ 火 亩 □ 26°C sg: 1.022 35 cm 400L



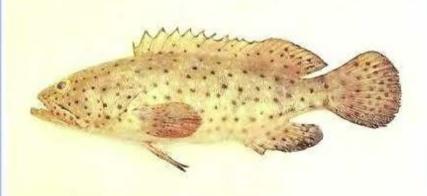
Epinephelus rivulatus 284 5, 7, 9 ♀ ◇ ▼ ♥ ★ □ □ 26°C sg: 1.022 35 cm 400L



Epinephelus tauvina 284 7, 9-10 ♀ ~ • ○ ★ ➡ □ 26°C sg: 1.022 70 cm 800L



Epinephelus sp. 284 7 ℃ 、 ○ 火 🖬 🗔 26°C sg: 1.022 40 cm 400L



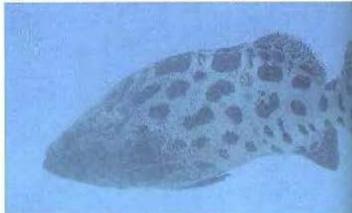
Epinephelus malabaricus 284 7, 9-10 ♀ ~ • ○ 火 🖬 🗆 26°C sg: 1.022 150 cm 1500L



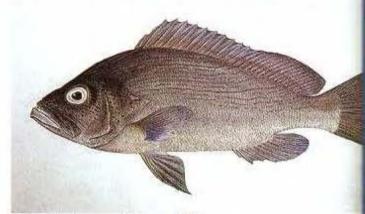
Epinephelus multinotatus 284 9 ♀ ◇ ¬ ○ ★ 📠 🗔 26°C sg: 1.022 100 cm 1000L



Epinephelus tauvina 284 7, 9-10 ♀ ◇ ▼ ◆ ○ 火 ➡ □ 26°C sg: 1.022 70 cm 800



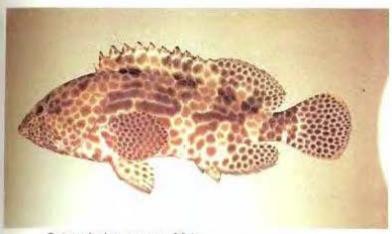
Epinephelus tukula 284 7,9 ♀ ◇ → ① ★ 🖬 🗆 26°C sg: 1.022 200 cm 2000L



Epinephelus undulosus 284 7, 9 ♀ ~ ~ • ♥ ★ 🗔 🖂 26°C sg: 1.022 75 cm 800L



Epinephelus socialis 284 6 ℃ → ○ ★ ➡ ➡ 26°C sg: 1.022 22.5 cm 300L





Epinephelus truncatus 284 5, 7, 9 3 5 5 6 % 1 26°C sg: 1.022 40 cm 400L



Epinephelus maculatus 284 7-8 9 ~ ~ 0 ★ 🗗 □ 26°C sg: 1.022 60 cm 600L



Epinephelus diacanthus 284 9 € ~ ~ 0 ★ 🗗 🗆 26°C sg: 1.022 55 cm 600L



Epinephelus septemfasciatus 284 5,7,9 2 > C * In ... 26°C sg: 1.022 100 cm 1000L



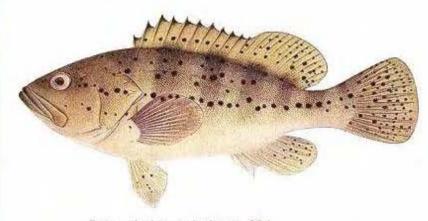
Epinephelus microdon 284 5, 7-10 ½ ✓ < € ★ ⊒ 26°C sg: 1.022 90 cm 1000L

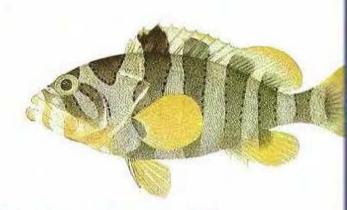


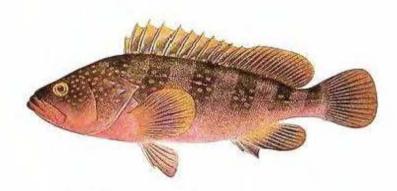
Epinephelus moara 284 5,79~~0米面口26°C sg: 1.022 100 cm 1000L 89~~0火面口26°C sg: 1.022 55 cm 600L

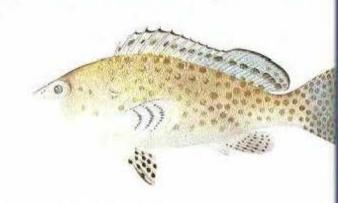


Epinephelus megachir 284





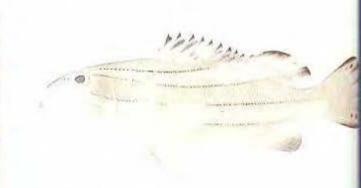




Epinephelus areolatus 284 7, 9-10 ♀ ~ • • ♥ ★ 🖬 🖾 26°C sg: 1.022 50 cm 500L



Epinephelus flavocoeruleus 284 7,9 ♀ ∽ 、 ○ ★ 🕞 🖾 26°C sg: 1.022 70 cm 800L



Epinephelus latifasciatus 284 5, 7, 9 ♀ ◇ ▼ ♠ □ 26°C sg: 1.022 40 cm 500L

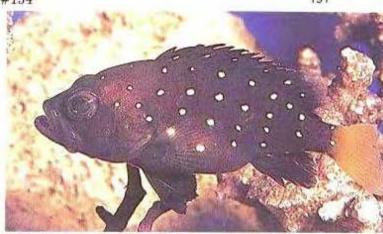




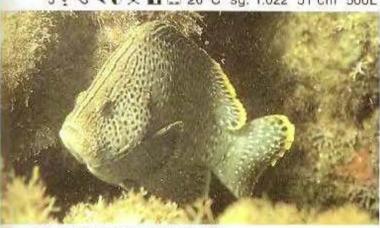
Epinephelus cometae 284 5, 7-9 ♀ ~ • ○ 火 🖬 🗆 26°C sg: 1.022 80 cm 800



Epinephelus labriformis 284 3 ℃ ~ © 火 🗗 🗔 26°C sg: 1.022 51 cm 500L



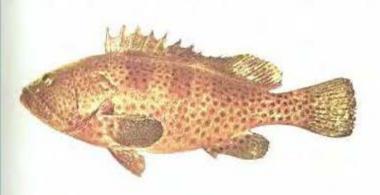
Epinephelus niveatus 284 1-3 2 ~ 1 火 面 □ 26°C sg: 1.022 90 cm 1000L

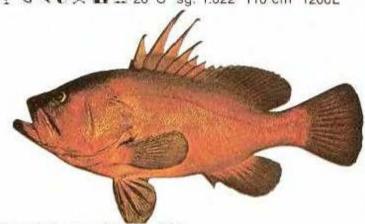


Epinephelus dermatolepis 284 3 2 1.022 110 cm 1200L

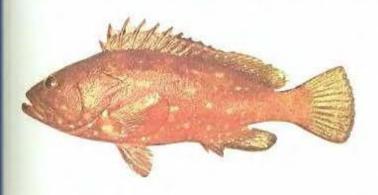


Epinephelus dermatolepis 284 3 ℃ ~ ○ ※ 🗗 🗆 26°C sg: 1.022 110 cm 1200L





Epinephelus acanthistius 284 3 2 5 10 2 Tom 800L





Epinephelus Itajara 284 3 ♀ ✓ ▼ ♠ ★ 🗗 26°C sg; 1.022 240 cm 2500L

Epinephelus guttatus 284 1-2 ♀ ~ • ○ ※ 🖬 🗔 24°C sg: 1.022 38 cm 400L



Epinephelus guttatus 284 1-2 3 ~ 4 0 % 📾 🗔 24°C sg: 1.023 60 cm 600L



Epinephelus adscensionis 284 1-2, 13 ♀ ~ • • ♥ ➡ □ 24°C sg: 1.023 60 cm 600L



Epinephelus mystacinus 284 1-2 ℃ ~ ○ 火 🖬 🗆 26°C sg: 1.022 150 cm 1500L



Epinephelus striatus 284 1-2 € ~ • ○ ★ 🗗 🗆 24°C sg: 1.023 30 cm 300L



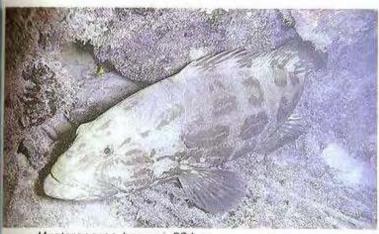
Epinephelus striatus 284 1-2 ♀ ~ • ○ 火 ➡ □ 23°C sg: 1.023 30 cm 300L



Epinephelus morio 284 1-2 ℃ → ① 火 🖬 🗆 23°C sg: 1.023 110 cm 1200L



Epinephelus inermis 284 1-2 ♀ ~ • ○ ★ ➡ ➡ 24°C sg: 1.023 91 cm 1000L





Mycteroperca prionura 284 3 ♀ ◇ ¬ ● ※ 🗗 🗆 26°C sg: 1.022 80 cm 1000L



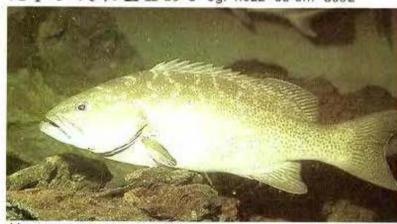
Mycteroperca interstitialis 284 (juv.) 1-2 2 √ √ 1 ★ 🗗 🖃 24°C sg: 1.022 76 cm 800L



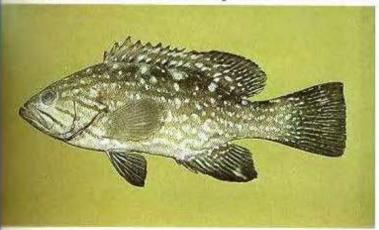
Mycteroperca interstitialis 284 1-2 ♀ ✓ → ♠ ★ 🖬 🗆 26°C sg: 1.022 68 cm 800L



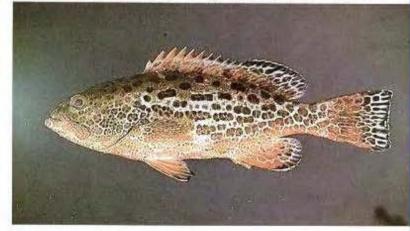
Mycteroperca rosacea (rare golden form) 284 3 ℃ へ ○ 米 🕟 🗆 26°C sg: 1.022 100 cm 1000L



Mycteroperca rosacea 284 3 ≥ ~ • • • ★ 📠 🗔 26°C sg: 1.022 100 cm 1000L



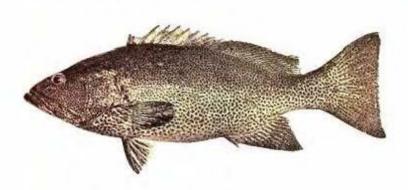
Mycteroperca rubra 284 2 € ~ • • ★ 🖬 🗔 26°C sg: 1.022 68 cm 800L



Mycteroperca venenosa 284 1-2 ♀ ~ ~ € ★ 🖬 🗔 26°C sg: 1,022 90 cm 1000L

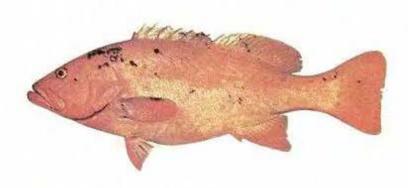




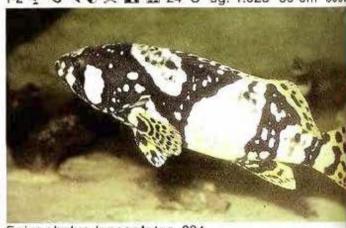


Mycteroperca rosacea 284
3 ♀ ◇ 、 ○ ※ 🚡 🗆 26°C sg: 1.022 100 cm 1000L 1-2 ♀ ◇ 、 ○ ※ 👼 🗔 24°C sg: 1.023 60 cm 600L

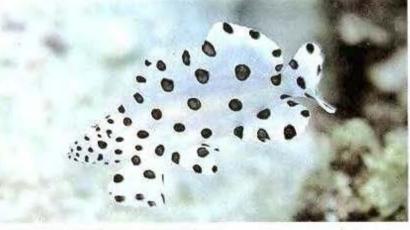




Mycteroperca rosacea (golden phase) 284 3 2 √ √ © ★ 🖬 🗆 26°C sg: 1.022 100 cm 1000L



Epinephelus lanceolatus 284 7,9 ♀ ~ ~ • ★ 🕞 🗔 26°C sg: 1.022 270 cm 300

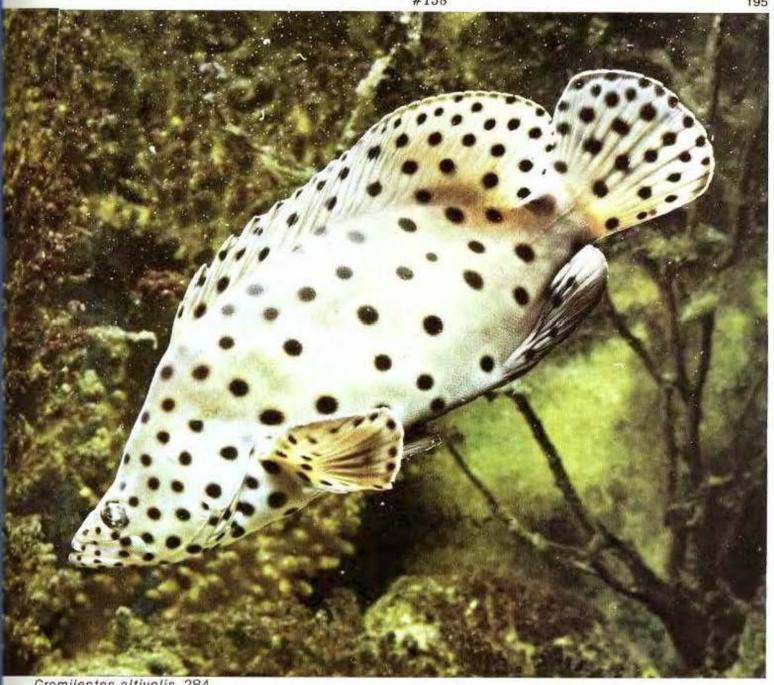


Cromileptes altivelis 284 7-9 ♀ ◇ 、 ○ 火 圖 26°C sg: 1.022 65 cm 800L



Cephalopholis pachycentron 284 7,9 ♀ ◇ 、 ○ ★ 🖬 🗔 26°C sg: 1.022 25 cm 300L

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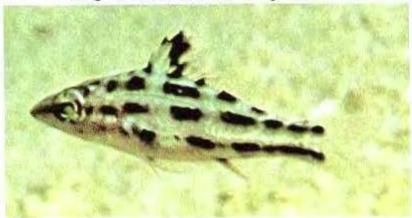


Cromileptes altivelis 284 7-9 ♀ ∿ ▼ ● ★ 🖻 🖾 26°C sg: 1.022 70 cm 700L

Serranus phoebe 284 1-2 9 ~ ~ 0 ♥ 🖼 🗔 26°C sg: 1.022 15 cm 150L



Serranus tortugarum 284 2 9 ~ ~ 0 ♥ ₩ 🗆 26°C sg: 1.022 80 cm 800L



Serranus luciopercanus 284 2 ♀ ∽ ¬ ● ♥ 🖾 🗆 26°C sg: 1.022 12 cm 150L



Serranus cabrilla 284 10, 14-15 9 ~~ 0 火 區 🗆 26°C sg: 1.022 25 cm 300L



Serranus hepatus 284 13-15 € ~ ~ 0 ♥ 🖼 🖾 26°C sg: 1.022 13 cm 150L



Serranus scriba 284 14-15 9 ~ ~ 0 ₺ 🖾 🖵 26°C sg: 1.022 25 cm 300L



Serraniculus pumilio 284 1-2 9 ~ ~ 0 ♥ 1 □ 26°C sg: 1.022 7.5 cm 80L 13 9 ~ ~ 0 ₺ 1 □ 26°C sg: 1.022 22 cm 200L



Serranus heterurus 284



Serranus fasciatus 284 3 º → • • ★ 🖼 🖂 26°C sg: 1.022 18 cm 150L



Serranus baldwini 284 2 ℃ へ 0 火 🖻 🖂 26°C sg: 1.022 5 cm 50L



Serranus annularis 284 2 ♀ ~ • • ♥ ★ 🖂 26°C sg: 1.022 8 cm 80L



Serranus tigrinus 284 2 2 ~ ~ 0 ★ 🖻 🖂 26°C sg: 1.022 10 cm 100L



Serranus flaviventris 284 2 2 ~ • • ♥ ★ □ 26°C sg: 1.022 7.5 cm 80L



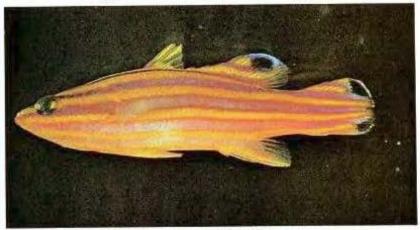
Serranus subligarius 284 2 ♀ ∽ ¬ ○ ★ 🖪 🗏 26°C sg: 1.022 15 cm 150L



Serranus chionaraia 284 2 2 ~ 0 ♥ 1 26°C sg: 1.022 5 cm 100L



Serranus tabacarius 284 2 ♀ ~ • ○ ★ 📾 🖽 26°C sg: 1.022 18 cm 200L



Liopropoma carmabi 284 2 ~ ~ ○ ▼ 🖼 🗔 26°C sg: 1.022 5 cm 100L





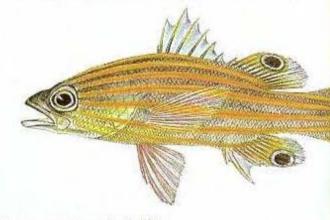
Liopropoma fasciatum 284 3 ~ ~ 0 ♥ ₩ □ 26°C sg: 1.022 15 cm 150L



Liopropoma eukrines 284 2 ~ C ♥ ☑ □ 26°C sg: 1.022 5 cm 100L



Liopropoma mowbrayi 284 2 ~ ~ ○ ♥ 🌇 🗔 26°C sg: 1.022 8 cm 100L



Liopropoma swalesi 284 7 ~ • • • ▼ 🖾 🗔 26°C sg: 1.022 6 cm 100L



Liopropoma lineata 284 6-7 ~ ~ € ♥ 🖾 🗆 26°C sg: 1.022 7 cm 100L



Liopropoma susumi 284 6-7 ~ • • • ▼ □ 26°C sg: 1.022 8 cm 100L



Liopropoma pallidum 284 6-7 ~ ~ 0 ♥ ₩ □ 26°C sg: 1.022 15 cm 150L



Hypoplectrodes nigrorubrum 284 12 ~ ~ • • ■ □ 24°C sg: 1.023 9 cm 100L



Ellerkeldia hunti 284 11-12 ✓ → 0 ♥ ➡ 🖾 22°C sg: 1.024 38 cm 400L



Ellerkeldia rubra 284 12 ~ ~ ○ ♥ 🖼 🗔 23°C sg: 1.024 9 cm 100L



Liopropoma sp. 284 7 ~ • € ♥ 🖼 🗔 26°C sg: 1.022 15 cm 150L



Ellerkeldia annulata 284 12 ~ ~ ● 🎏 🗔 24°C sg: 1.023 20 cm 80L



Ellerkeldia maccullochi 284 12 ~ • • ♥ ☎ □ 23°C sg: 1.024 20 cm 200L



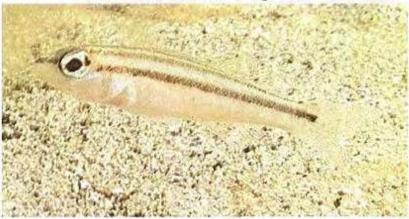
Ellerkeldia wilsoni 284 12 ◇ → ◆ ◆ 繁 🖾 24°C sg: 1.023 20 cm 200L



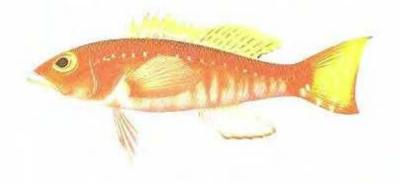
Rainfordia opercularis 285 12 ~ · • ▼ 🖬 🗔 24°C sg: 1.022 12 cm 150L



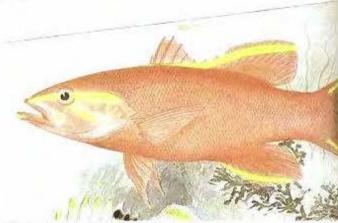
Luzonichthys waitei 284 7~~ • • • ■ 🖂 26°C sg: 1.022 7 cm 150L



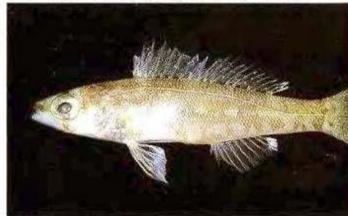
Diplectrum formosum 284 1-2 ~ ~ 0 ★ 🖃 🖾 26°C sg: 1.022 30 cm 300L



Chelidoperca hirundinacea 284



Pikea aurora 284 6 ~ • ★ 🖬 🗆 26°C sg: 1.022 18 cm 200L



Schultzea beta 284 2 ~ € ♥ 🖼 🗏 26°C sg: 1.022 10 cm 150L



Diplectrum pacificum 284 3 ~ ~ ○ 火 ➡ ➡ 26°C sg: 1.022 15 cm 150L



Rabaulichthys altipinnis 284 7 ~ ~ 0 * □ □ 26°C sg: 1.022 15 cm 200L 7-8 ~ ~ 0 ♥ □ □ 26°C sg: 1.022 5 cm 100L



Hypoplectrus indigo 284 2 € 5 € 1.022 15 cm 200L



Hypoplectrus nigricans 284 2 ℃ ~ ① 火 🖻 🗆 26°C sg: 1.022 15 cm 200L



Hypoplectrus chlorurus 284 2 € ~ • • • ★ 🖬 🗔 26 °C sg: 1.022 12.5 cm 150L



Hypoplectrus gemma 284 2 2 ~ 1 ★ 🖬 🗆 26°C sg; 1.022 11 cm 100L



Hypoplectrus gummigutta 284 2 ℃ 、 ○ 火 🚡 🗔 26°C sg: 1.022 13 cm 150L

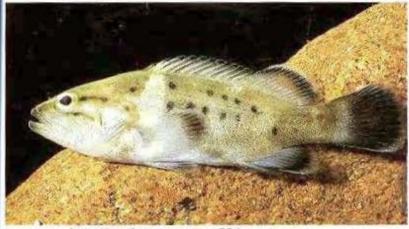


Hypoplectrus unicolor 284 2 2 5 5 € ★ 🖬 🗔 26°C sg: 1.022 10 cm 100L





Hypoplectrus puella 284 2 ℃ ~ ♥ ※ 🕞 🗆 26°C sg: 1.022 11.5 cm 100L



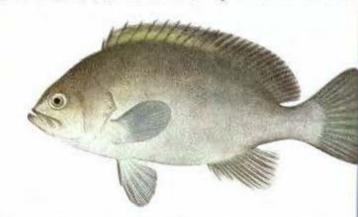


Acanthistius serratus 284

8, 12 ~ ¬ • ○ ※ ■ □ 25°C sg: 1.023 45 cm 500L 9, 11-12 ~ ¬ • ○ ※ ■ □ 24°C sg: 1.023 50 cm 500L



Trachypoma macracantha 284 11 ~ ~ ○ ★ 🖬 🗔 22°C sg: 1.023 22 cm 200L



Trisotropis dermopterus 284 5 √ √ 0 ★ 🖬 🗆 26°C sg: 1.022 45 cm 500L



Paralabrax clathratus 284 3~~ 0 火 型 □ 26°C sg: 1.022 45 cm 500L



Paralabrax nebulifer 284 3 ~ ~ 0 * ₩ 🖵 26°C sg: 1.022 50 cm 500L



Paralabrax auroguttatus 284 3 ~ 、 ○ 火 m □ 26°C sg: 1.022 30 cm 300L



Paralabrax maculatofasciatus 284 3 ~ 、 ○ 火 面 □ 26°C sg: 1.022 56 cm 600L



Alphestes afer 284 2 ℃ → 0 火 幅 🗆 26°C sg: 1.022 27 cm 300L



Alphestes multiguttatus 284 3 2 ~ • 0 ★ 📠 🗆 26°C sg: 1.022 20 cm 200L



Variola albomarginata 284 7,9 ♀ ▽ ¬ ○ 火 № □ 26°C sg: 1.022 65 cm 600L



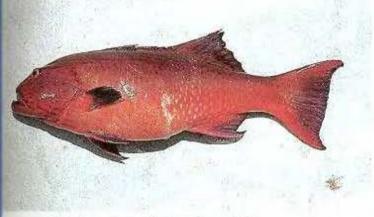
Variola louti 284 7-10 9 ~ ~ 0 火 🖬 🖵 26°C sg: 1.022 80 cm 800L

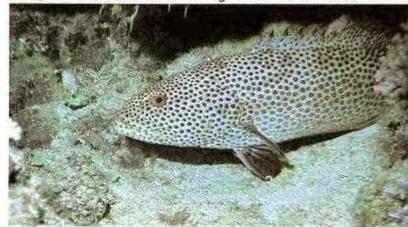


Plectropomus maculatus 284 8,12 ℃ ~ € ❤ 🖼 🖂 24°C sg: 1.022 60 cm 600L



Plectropomus leopardus 284 7-9 ♀ ◇ ▼ ♠ ➡ ➡ 26°C sg: 1.022 65 cm 800L





Plectropomus oligacanthus 284
8 ℃ ¬ • ○ ★ 届 □ 26°C sg: 1.022 55 cm 600L 5-10 ℃ ¬ • ○ ★ 届 □ 26°C sg: 1.022 53 cm 600L



Variola louti 284 7-10 ♀ ✓ ¬ • • ★ 🖼 🗆 26°C sg: 1.022 80 cm 800L



Plectropomus laevis 284 5, 7, 9 ♀ ◇ ▼ ♠ □ 26°C sg: 1.022 100 cm 1000L



Plectropomus leopardus 284 7-9 ♀ ✓ 、 ○ ※ ➡ □ 26°C sg: 1.022 66 cm 800L



Aulacocephalus temmincki 285 5, 7, 9 ♀ ~ • ♦ ※ 📾 🖂 26°C sg: 1.022 25 cm 250L



Variola louti 284 7-10 ♀ ◇ ► ♦ ♠ ★ ➡ □ 26°C sg: 1.022 80 cm 800



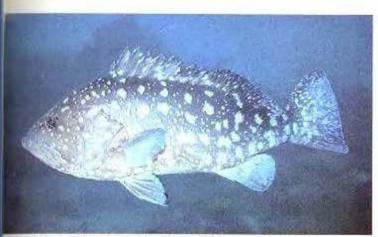
Plectropomus laevis 284 5, 7, 9 ♀ ◇ ▼ ○ 火 🚡 🗔 26°C sg: 1.022 100 cm 1000



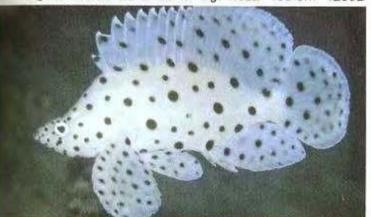
Pogonoperca punctata 285 6-7, 9 ♀ ◇ ▼ ♠ ➡ 26°C sg: 1.022 35 cm 40



Grammistes sexlineatus 285 7, 9-10 ♀ ◇ 、 ○ ★ 庙 🗆 26°C sg: 1.022 27 cm 🐠



Epinephelus multinotatus 284 9字 マトロ火 面 ロ 26°C sg: 1.022 100 cm 1200L



Cromileptes altivelis 284 7.9 ℃ 、 ○ ★ 🚡 🗔 26°C sg: 1.022 70 cm 800L



Ellerkeldia wilsoni 284 12 ♀ ◇ → ① ※ 🖬 🗔 23 °C sg: 1.024 20 cm 200L





Epinephelus summana 284 7,9 ♀ ∽ 、 ○ ※ 📾 🗔 26°C sg: 1.022 48 cm 500L



Dinoperca petersi 284 9 ℃ ~ • • ★ 🖬 🗆 26°C sg: 1.022 62 cm 800L



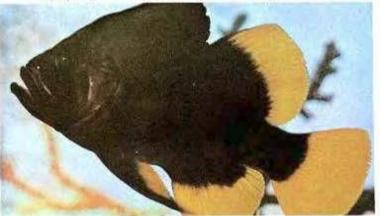
Luzonichthys microlepis 284 9 2 ~ 10 % In III 26°C sg: 1.022 6 cm 60L



Belonoperca chabanaudi 285 7, 9 ♀ ◇ ≺ ◐ ※ ➡ ➡ 26°C sg: 1.022 14.5 cm 150L



Diploprion bifasciatus 285 5, 7, 9 € 🌣 🖈 🗗 🗔 26°C sg: 1.022 25 cm 300L



Diploprion bifasciatus (var.) 285 5, 7, 9 ♀ ~ • • ★ 🖬 🗆 26°C sg: 1.022 25 cm 300L



Grammistes sexlineatus 285 7-10 9 ~ ~ 0 % 🖬 🖾 26°C sg: 1.022 27 cm 300L





Diploprion bifasciatus (juv.) 285 5, 7, 9 ♀ ~ • • ★ 🖬 🗆 26°C sg: 1.022 25 cm 300L



Diploprion drachi 285 9-10 ♀ ◇ → ◆ ◆ ★ 🖬 🗔 26°C sg: 1.022 14 cm 150L

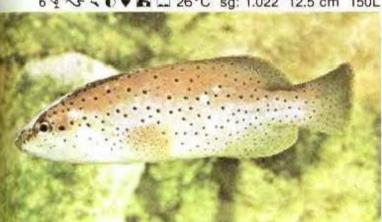


Grammistops ocellatus 285 7, 9 ♀ ◇ ▼ ♠ ★ 🖬 🖂 26°C sg: 1.022 10 cm 100L



Pseudogramma polyacantha 285
6-9 ♀ ~ • • ▼ ➡ □ 26°C sg: 1.022 7 cm 80L
1-2 ♀ ~ • • ▼ ➡ □ 24°C sg: 1.023 7.5 cm 80L





Rypticus subbifrenatus 285 2, 13 ♀ ▽ ▼ ▼ ➡ □ 26°C sg: 1.022 18 cm 200L



Rypticus bicolor (?) 285 3 2 ~ 10 ★ 1 26°C sg: 1.022 33 cm 400L



Pseudoplesiops rosae 286 12 ♀ ▽ ヽ ○ ♥ ☎ □ 24°C sg: 1.023 5 cm 50L



Rypticus bistrispinus 285 2 ℃ ~ • • ■ □ 26°C sg: 1.022 15 cm 150L



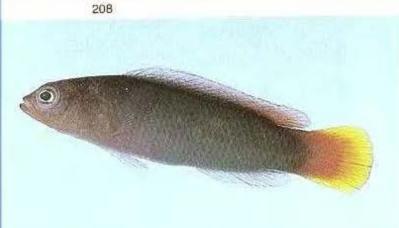
Rypticus saponaceus 285 1-2, 13 ♀ ▽ ► ○ ※ ➡ □ 26°C sg: 1.022 33 cm 400L



Labracinus cyclophthalmus 286° 7 € ~ 1022 14 cm 150L



Pseudochromis luteus 285 7 2 → 1 ♥ 1 □ 26°C sg; 1.022 5 cm 50L



Pseudochromis tapeinosoma 286 7-8, 12 ♀ ◇ C ♥ 🏂 🗔 26°C sg: 1.022 5 cm 50L



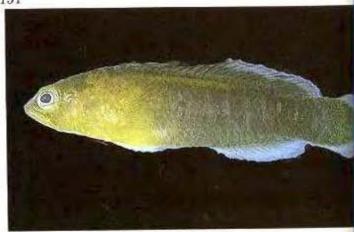
Pseudochromis wilsoni 286 7-8, 12 9 ~ € 26°C sg: 1.022 6 cm 60L



Pseudochromis marshallensis 286 7-8, 12 2 ~ C ♥ ¥ = 26°C sg: 1.022 7 cm 80L



Pseudochromis veliferus 286 8 9 ~ 0 ♥ 1 □ 26°C sg: 1.022 7 cm 80L



Pseudochromis cyanotaenia 286 7-8, 12 ♀ ✓ C ♥ № 🖂 26°C sg: 1.022 5 cm 50L



Pseudochromis xanthochir 286 7-8, 12 2 ~ C V 1 26°C sg: 1.022 7 cm 80L



Pseudochromis marshallensis 286 7-8, 12 9 ~ 0 ♥ 1 26°C sg: 1.022 7 cm 80L



Pseudochromis veliferus 286 8 9 ~ C ♥ 1 = 26°C sg: 1.022 7 cm 80L



Pseudochromis bitaeniata 286 7-8, 12 ♀ ❤ ❤ ❤️ □ 26°C sg: 1.022 6 cm 80L



Pseudochromis novaehollandiae 286 7-8, 12 € → C ♥ 🖼 🗔 26°C sg: 1.022 19 cm 200L



Pseudochromis aureus 286 7.8 ♀ ◇ C ♥ № 🗔 26°C sg: 1.022 10 cm 100L



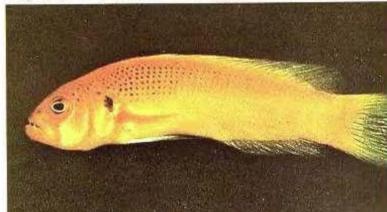
Pseudochromis aureus 286 7-8 2 ~ € ♥ 🏣 🗔 26°C sg; 1.022 10 cm 100L



Pseudochromis longipinnis 286 8 ♀ ◇ C ♥ ☑ ☐ 26°C sg: 1.022 9.6 cm 100L



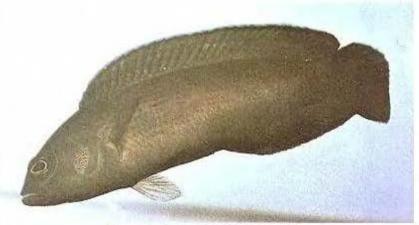
Pseudochromis mccullochi 286 7-8, 12 ♀ ◇ ○ ♥ № □ 26°C sg: 1.022 10 cm 100L



Pseudochromis moorei 286 7 ℃ ♥ ☞ □ 26°C sg: 1.022 10 cm 100L



Pseudochromis fuscus 286 9 ℃ ~ ○ ♥ 🖼 🖂 26°C sg: 1.022 10 cm 100L



Pseudochromis dilectus 286 9 ♀ ∿ ○ ♥ № □ 26°C sg: 1.022 7 cm 80L



Pseudochromis paranox 286 7 ℃ ♥ № □ 26°C sg: 1.022 3.5 cm 50L



Pseudochromis melanotaenia 286 6, 7 ♀ ◇ C ♥ № □ 26°C sg: 1.022 6 cm 60L



Pseudochromis sankeyi 286 9-10 ♀ ◇ ♥ ❤️ ➡ ➡ 26°C sg: 1.022 7.4 cm 80L



Pseudochromis dilectus 286 9 ♀ ◇ ○ ♥ № 🗔 26°C sg: 1.022 7 cm 80L



Pseudochromis springeri 286 10 ♀ ◇ € ♥ № 🗔 26°C sg: 1.028 5.5 cm 60L



Pseudochromis pesi 286 10 ♀ ~ ○ ♥ ﷺ □ 26°C sg: 1.028 8 cm 80L



Pseudochromis dixurus 286 10 ♀ ~ ○ ♥ № □ 26°C sg; 1.028 9 cm 100L



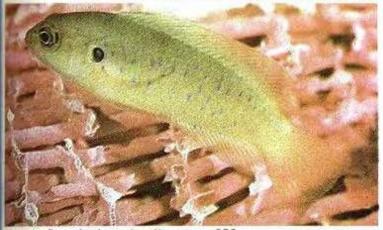
Pseudochromis porphyreus 286 7 2 ~ C ♥ № □ 26°C sg: 1.022 5.5 cm 60L



Pseudochromis diadema 286 7 2 ~ 0 ♥ ₩ □ 26°C sg: 1.022 27.4 cm 300L



Pseudochromis cyanotaenia 286 12 ♀ ◇ C 火 曜 □ 24°C sg: 1.023 5 cm 50L



Pseudochromis olivaceus 286 9-10 ♀ ◇ ○ 火 編 □ 26°C sg: 1.022 9.2 cm 100L



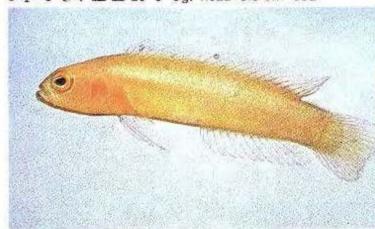
Pseudochromis paccagnellae 286 7-8 2 ~ C ♥ № □ 26°C sg: 1.022 5 cm 50L



Pseudochromis perspicillatus 286 7 ℃ ℃ ♥ № □ 26°C sg: 1.022 12 cm 150L



Pseudochromis flammicauda 286 8 2 ~ ○ ▼ 🖼 🗔 26°C sg: 1.022 5.5 cm 60L



Pseudoplesiops Inornatus 286 9 ♀ ◇ ○ ♥ № □ 26°C sg: 1.022 10 cm 100L



Pseudochromis dutoiti 286 9 ℃ ℃ ♥ № □ 26°C sg: 1.022 8.8 cm 100L



Pseudochromis fridmani 286 10 ♀ ∿ C ♥ № □ 26°C sg: 1.028 6 cm 60L



Labracinus lineatus 286 7-8, 12 ♀ ~ ○ ♥ ﷺ 전 25°C sg: 1.022 14 cm 150L



Belonepterygion fasciolatum 289 12 ~ ~ ○ ♥ ﷺ 🖽 23°C sg: 1.024 5 cm 50L



Pseudochromis flavivertex 286 9-10 ~ • • ★ ★ 🗔 □ 26°C sg: 1.022 7 cm 80L



Pseudochromis melas 286 9 ℃ ℃ ♥ № □ 26°C sg: 1.022 9 cm 100L



Glaucosoma hebraicum 290 12 ~ • • ★ 🗗 🚅 24°C sg: 1.023 60 cm 600L



Belonepterygion fasciolatum(?) 289 12 ~ ↑ ↑ № 日 23°C sg: 1.024 5 cm 50L



Lipogramma regia 287 2 ♀ ▼ ① ♥ ₩ □ 26°C sg: 1.022 2.5 cm 50L







Gramma loreto 287 2 ♀ ▼ ① ★ № 🗔 26°C sg: 1.022 7.5 cm 80L



Gramma linki 287 1-2 ♀ ◇ € 🖼 🗔 24°C sg: 1.023 6.5 cm 60L



Gramma melacara 287 2 ℃ ♥ № № □ 26°C sg: 1.022 10 cm 100L



Assessor flavissimus 288 8 º ~ € ♥ ₩ 🗔 26°C sg: 1.022 8 cm 80L



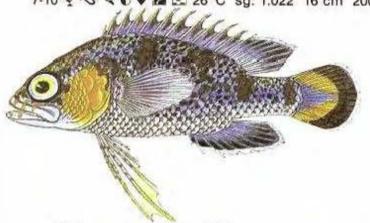
Assessor macneilli 288 8 2 ~ 0 火 № 🖂 26°C sg: 1.022 8 cm 80L



Calloplesiops altivelis 287 7-10 ♀ ~ • ● ❤ ﷺ ☑ 26°C sg: 1.022 16 cm 200L

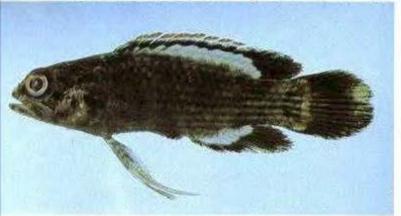


Calloplesiops argus 288 7 2 ~ ↑ • ★ 🖼 🖾 26°C sg: 1.022 16 cm 200L





Plesiops corallicola 288 7, 9 ♀ ~ • • ♥ ➡ ☑ 26°C sg: 1.022 15 cm 200L



Plesiops cephalotaenia 287 12 ⅔ ~ ~ € ♥ 📾 🖾 23°C sg; 1.024 3.5 cm 50L



Paraplesiops poweri 288 8 ℃ ~ • • • ■ □ 26°C sg: 1.022 20 cm 200L

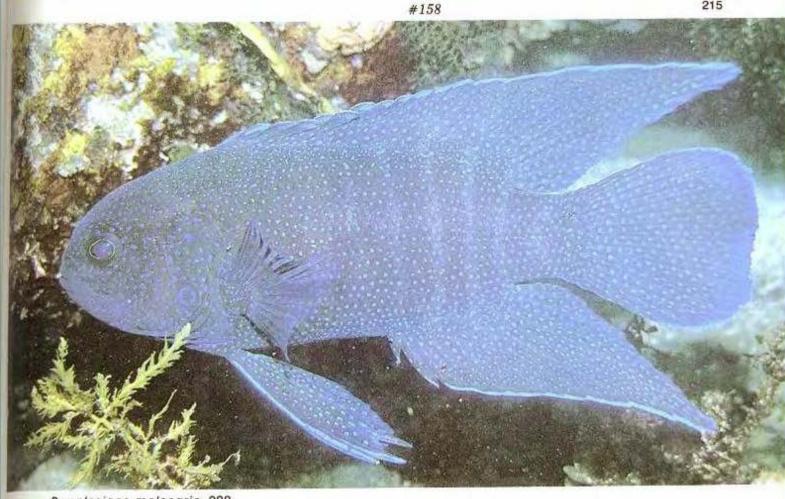


Trachinops noarlungae 288
12 ℃ ~ € ♥ 📾 🖾 23°C sg: 1.024 9 cm 100L



Trachinops sp. 288 8 ♀ ~ • • ♥ ♠ 🖾 26°C sg: 1.022 8 cm 100L

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Paraplesiops meleagris 288
12 3 ~ ~ ○ ♥ ■ ☑ 22°C sg: 1.024 25 cm 300L



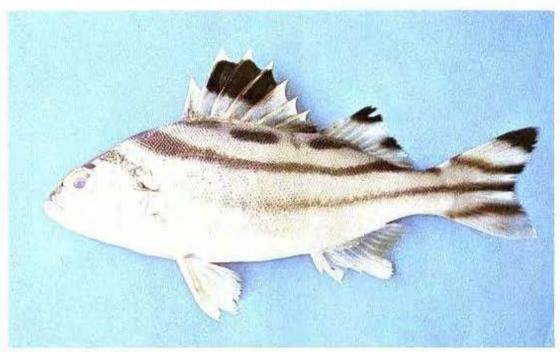
Calloplesiops altivelis 288 7-10 ♀ ◇ ≺ € ♥ ﷺ 🖾 26°C sg: 1.022 16 cm 200L



Trachinops brauni 288 12 2 ~ ~ ○ ♥ 🖾 24°C sg: 1.023 6 cm 60L



Paraplesiops meleagris 288 12 ♀ ▽ ╮ ♥ ▼ 🖬 🖾 22°C sg: 1.024 25 cm 300L



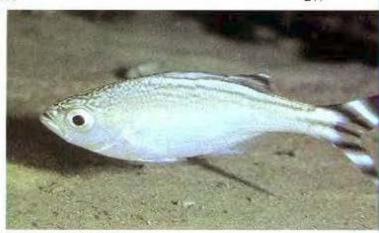
Terapon jarbua 291 7, 9 → • • ★ 🖼 🖽 26°C sg: 1.022 23 cm 400L



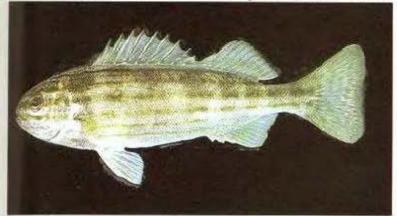
#159A 217



Terapon jarbua 291 7,9~~ € 米 屬 巨 26°C sg: 1.022 23 cm 400L



Kuhlia mugil 293 3, 6-9 ~ √ (* 5 ⊞ ⊞ 26°C sg: 1.022 20 cm 200L



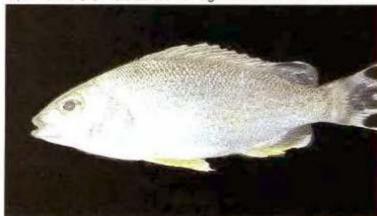
Pelates sexlineatus 291 7-10 9-10 ✓ ¬ € № № = 26°C sg: 1.022 25 cm 300L



Pelates quadrilineatus 291 7,9 ~ • ● * * * □ 26°C sg: 1.022 24 cm 300L



Mesopristes argenteus 291 7 ~ • € 1 ≤ 26°C sg: 1.016 25 cm 300L



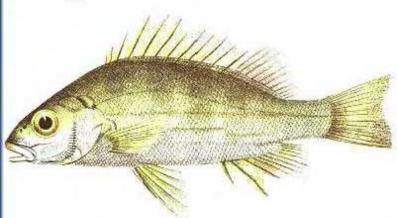
Amniataba caudavittatus 291 12 ◇ 大 ① 火 霾 区 23°C sg: 1.023 9 cm 100L



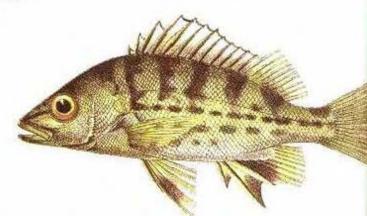
Terapon theraps 291 7-10 ◇ ¬ ①火炬 ⊆ 26°C sg: 1.022 25 cm 300L



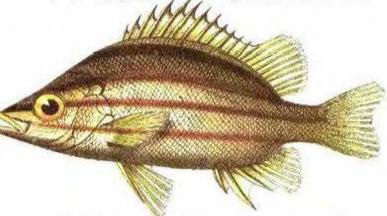
Rhyncopelates oxyrhynchus 291 7,9 ◇ 、 ○ ※ № 日 26°C sg: 1.022 30 cm 300L



Mesopristes cancellatus 291 7 → 1 🗴 🔀 🗏 26°C sg: 1.022 20 cm 200L



Mesopristes cancellatus 291 7 → 1 → 1 → 1 = 26°C sg: 1.022 20 cm 200L



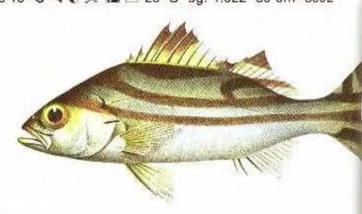
Mesopristes argenteus 291 7 → 10 × 1 = 26°C sg: 1.022 25 cm 300L



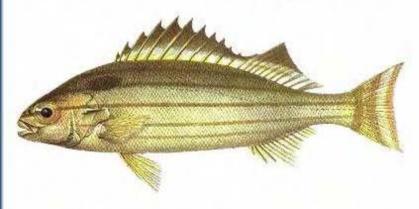
Terapon theraps 291 6-10 ✓ 🕻 🗘 🔀 🖂 26°C sg: 1.022 30 cm 300L



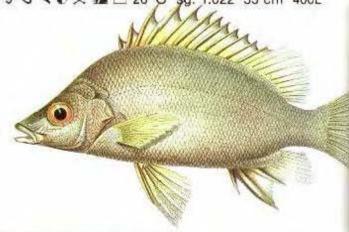
Terapon theraps 291 6-10 ~ • • • ★ 🖼 🗏 26°C sg: 1.022 30 cm 300L



Terapon jarbua 291 7,9 → • • ★ 1 = 26°C sg: 1.022 33 cm 400L

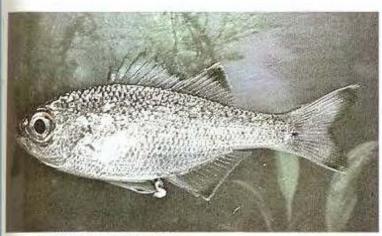


Pelates sexlineatus 291 7 ◇ 、 ① 火 編 団 26°C sg: 1.022 20 cm 200L



Mesopristes argenteus 291 7 ~ • ○ ★ 12 🗎 26°C sg: 1.022 25 cm 300L

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Kuhlia marginata 293 6-8 ~ ~ • • ★ 極 ⊟ 26° C sg: 1.022 21.5 cm 250L



Kuhlia rupestris 293 7-9 ~ ~ € № № ⊞ 26°C sg: 1.022 40.5 cm 400L



Kuhlia mugil 293 3,69 ~ < 0 ★ 월 ⊟ 26°C sg: 1.022 20 cm 200L



Kuhlia sandvicensis 293 6 ~ ~ € 🗴 🖼 🖂 26°C sg: 1.022 30 cm 300L



Pristigenys multifasciata 296 5,7 √ √ ♥ ★ 🖾 🖂 26°C sg: 1.022 27 cm 300L



Pristigenys alta 296 1, 2 ~ ~ € ★ 🌇 🗔 25°C sg: 1.022 30 cm 300L

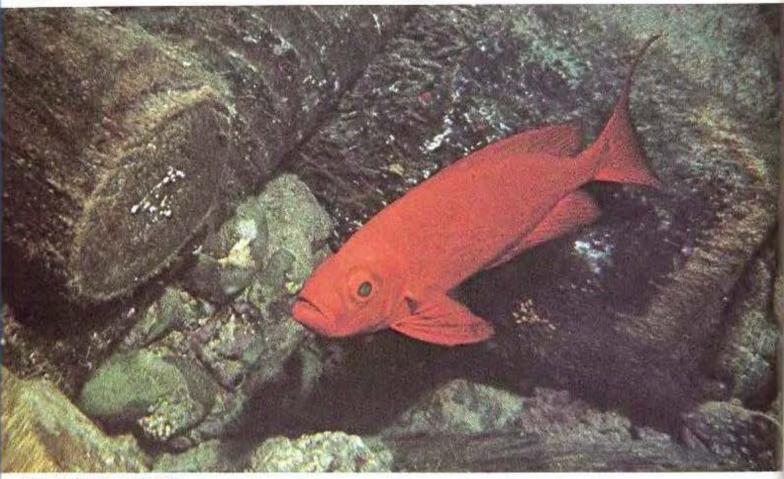


Pristigenys serrula 296 3 ~ • ○ ★ 🖼 🗔 26 °C sg: 1.022 15 cm 200L



Pristigenys niphonia 296 7,9 ~ ~ € * 1.022 26 cm 300L

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Priacanthus hamrur 284 6-10 ♀ ◇ 、 ○ 火 ➡ □ 26°C sg: 1.022 45 cm 500L



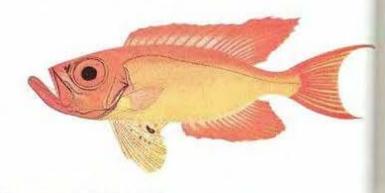
Priacanthus macracanthus 296 7-8 2 ~ • ○ ★ 🗗 🗆 26°C sg: 1.022 23 cm 300L



Heteropriacanthus cruentatus 296 Circumtrop. ♀ ~ • ○ ★ 🖬 🖂 26°C 30.5 cm 300L



Priacanthus arenatus 296 2, 13 ♀ ∿ ↓ ① ★ 🖬 🗔 26°C sg: 1.022 40 cm 400L



Priacanthus tayenus 296 7-8 ♀ ~ • ○ ⊁ 🖬 🗆 26°C sg: 1.022 27.5 cm 300L



Apogon apogonides 297 7, 9 3 ~ € ♥ 🖼 🗔 26°C sg: 1.022 10 cm 100L

Sphaeramia nematoptera 297 7,9 % ♥ № 🖾 26°C sg: 1.022 10 cm 100L



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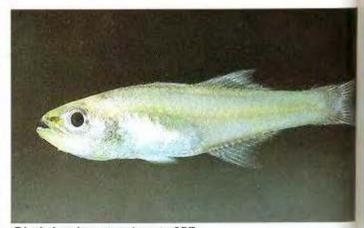
Apogon cyanosoma 297 7-8 ♀ ∽ € ♥ № □ 26°C sg: 1.022 7 cm 80L



Rhabdamia gracilis 297 7, 9 ♀ ◆ ♥ ₩ □ 26°C sg: 1.022 6 cm 60L



Gymnapogon urospilotus 297 5, 7 2 → 0 ♥ 12 26°C sg: 1.022 3 cm 50L



Rhabdamia cypselurus 297 7-8 ♀ ~ € ♥ ፟፟፟ □ 26°C sg: 1.022 5 cm 50L



Rhabdamia sp. 297 12 ℃ ♥ ♥ 🖾 🗆 24°C sg: 1.022 4 cm 50L



Apogon angustatus 297 6-10 ♀ ◆ ♥ ♥ □ 26°C sg: 1.022 8 cm 80L



Apogon robustus 297 9 ℃ ♥ ♥ □ 26°C sg: 1.022 6 cm 60L



Apogon cooki 297 7-8 ♀ ◇ ▼ ♥ 🖼 🗔 26°C sg: 1.022 6 cm 60L



Apogon fraenatus 297 7-10 2 ~ € ♥ 🖾 🗔 26°C sg: 1.022 10 cm 100L



Apogon cyanosoma 297 7-8 ♀ ∽ € ♥ ☑ □ 26°C sg: 1.022 7 cm 80L



Apogon robustus 297 9 2 ~ 0 ♥ \$ □ 26°C sg: 1.022 6 cm 60L



Apogon victoriae 297 7-12 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 8 cm 80L



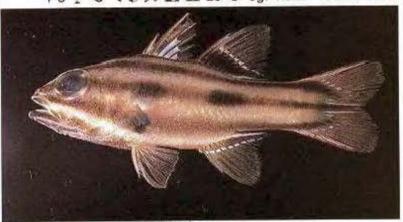
Apogon nitidus 297 9 ♀ ◆ ♥ ➡ □ 26°C sg: 1.022 8 cm 80L



Apogon nigrofasciatus 297 7-8 2 √ √ 0 ★ 📠 🗔 26°C sg: 1.022 10 cm 100L



Apogon compressus 297 7-8 ♀ ◇ • ♥ 🖾 🗆 26°C sg: 1.022 11.5 cm 100L



Apogon novemfasciatus 297 7-10 ♀ ✓ 、 ○ ※ 🖬 🗆 26°C sg: 1.022 8 cm 100L



Apogon doederleini 297 7 ℃ ♥ № 🖾 🗆 26°C sg: 1.022 7 cm 80L



Apogon fasciatus 297 7-8 2 → 10 % 🖬 🗔 26°C sg: 1.022 11.5 cm 100L



Apogon cookii 297 7-9 ♀ ◇ ▼ ♥ ★ □ 26°C sg: 1.022 10 cm 100L



Apogon endekataenia 297 7, 9 ≥ ~ • • ★ 🖬 🗆 26°C sg: 1.022 10 cm 100L



Apogon margaritiphora 297 6-7 ♀ ◇ ♥ ♥ ☑ □ 26°C sg: 1.022

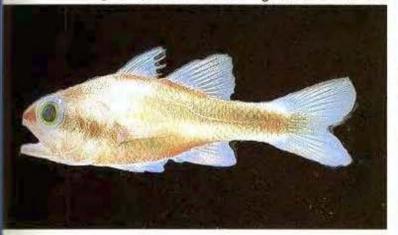




Apogon sp. 297 7 % ❤ ₩ 🖾 🗀 26°C sg: 1.022 10 cm 100L



Apogon sp. 297 7 2 ~ 0 ♥ № □ 26°C sg: 1.022 7 cm 80L



Apogon semiornatus 297 7,9 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 7 cm 80L



Apogon chrysotaenia 297 7 2 5 € \$ 26°C sg: 1.022 12 cm 150L



Apogon novaeguinea (? = cyanosoma) 297 8 ♀ ∽ • ♥ ☎ □ 26°C sg: 1.022 10 cm 100L



Apogon sp. 297 7-8 ♀ ◇ ♥ ❤ 🖾 🖂 26°C sg: 1.022 10 cm 100L





Apogon exostigma 297 6-7 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 10 cm 100L



Apogon kallopterus 297 7-10 ♀ ◆ ♥ ► □ 26°C sg: 1.022 15 cm 150L



Apogon notatus 297

Apogon gilberti 297

7 ℃ ♥ ♥ □ 26°C sg: 1.022 10 cm 100L 5, 7, 9 ९ ∿ ♥ □ 26°C sg: 1.022 4 cm 50L





Apogon kallopterus 297 7-10 ♀ ◇ ◐ ♥ № □ 26°C sg: 1.022 15 cm 150L



Apogon kallopterus 297 7-10 ♀ ~ ◆ ♥ ₭ □ 26°C sg: 1.022 15 cm 150





Apogon semilineatus 297
5, 7 ≥ → € ♥ 🖾 🗆 26°C sg: 1.022 8 cm 80L 5, 7 ≥ → € ♥ 🖾 🗔 26°C sg: 1.022 60 cm 60L

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Apogon sangiensis 297 7-8 ♀ ~ ↑ ♥ ❤️ □ 26°C sg: 1.022 9 cm 100L



Apogon sp. 297 7-8 ♀ ∽ € ♥ 🖾 🗔 26°C sg: 1.022 7 cm 100L



Apogon ceramensis 297 7-8 ♀ ◇ • • ❤ № 🗔 26°C sg: 1.022 10 cm 100L



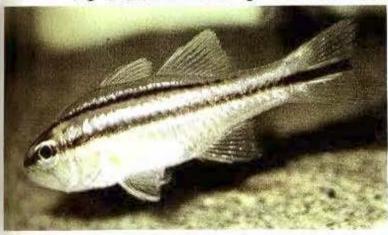
Apogon thermalis 297 7,9 € ~ € ♥ № □ 26°C sg: 1.022 8 cm 80L



Apogon hyalosoma 297 7 ⅔ ❤ € ₩ 🖾 🖂 26°C sg: 1.022 17 cm 200L



Apogon amboinensis 297 7-8 ♀ ◇ • • ★ 🗔 26°C sg: 1.022 10 cm 100L



Apogon kiensis 297 7-10 ℃ ♥ № □ 26°C sg: 1.022 5 cm 50L



Apogon sealei 297 6-8 ♀ ~ ↑ ♥ 🖼 🗔 26°C sg: 1.022 10 cm 100L



Apogon taeniatus 297 7-10 ♀ ~ 0 ♥ № □ 26°C sg: 1.022 10 cm 100L



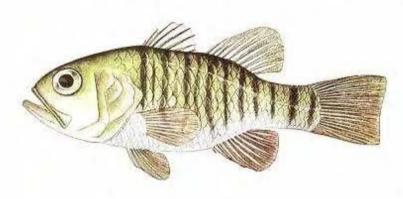
Apogon trimaculatum 297 7 ♀ ♥ ♥ ₩ 🖂 26°C sg: 1.022 15 cm 150L



Apogon niger 297 5, 7 ~ € ♥ 🖼 🗔 24°C sg: 1.022 15 cm 150L



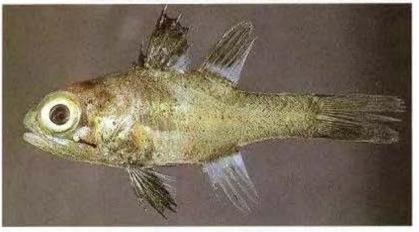
Apogon leptacanthus 297 7, 9 € ~ € ♥ 🖾 🗔 26°C sg: 1.022 6 cm 60L



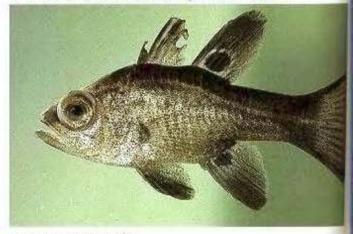
Apogon lineatus 297 5, 7 → € ♥ № □ 24°C sg: 1.023 13 cm 150L



Apogon dispar 297 7 ♀ ◆ ♥ ♥ 🖾 🗔 26°C sg: 1.022 4.5 cm



Apogon darnleyensis 297
7, 12 ♀ ▽ € ♥ № □ 25°C sg: 1.022 5 cm 50L 7 ♀ ▽ € ♥ № □ 26°C sg: 1.022 12 cm 80L





Apogon taeniopterus 297 6 € ~ € V M = 26°C sg: 1.022 10 cm 100L



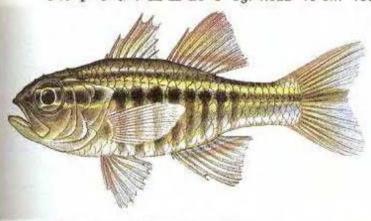
Apogon menesemus 297 6 ♀ ◇ ♥ ♥ 🖾 🗀 26°C sg: 1.022 10 cm 100L



Apogon savayensis 297 6-10 ⅔ ~ ① ♥ ☎ 🗔 26°C sg: 1.022 10 cm 100L



Apogon guamensis 297 7-10 ♀ ◇ • ♥ № □ 26°C sg: 1.022 10 cm 100L



Apogon quadrifasciatus 297 7-10 € ~ 0 ♥ ₩ 🗔 26°C sg: 1.022 10 cm 100L



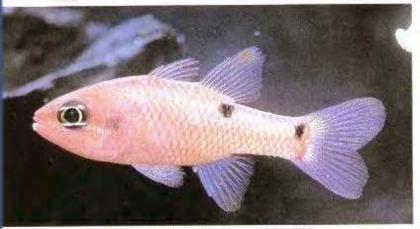
Apogon maculifera 297 6 ♀ ❤ ♥ 🚾 🗔 26°C sg: 1.022 15 cm 150L





 Apogon ruppelli 297
 Apogon norfolcensis 297

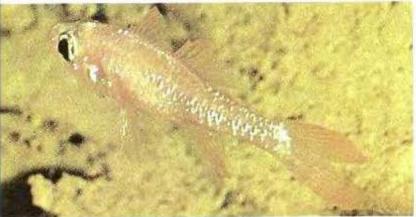
 12 ♀ ~ ● ❤ 届 □ 26°C sg: 1.022 10 cm 100L
 11-12 ♀ ~ ● ❤ 届 □ 26°C sg: 1.022 15 cm 150L



Apogon pseudomaculatus 297 2 ℃ ♥ ❤️ 🚾 🖂 26°C sg: 1.022 8 cm 80L



Apogon quadrisquamatus 297 2 → • • ★ 🖾 🗆 26°C sg: 1.022 8 cm 80L



Apogon leptocaulus 297 7,9 3 ~ 0 ♥ ₩ 🗔 26°C sg: 1.022 6 cm 60L



Apogon pacifici 297 3 ℃ ♥ ♥ 🖾 🗆 26°C sg: 1.022 8 cm 80L



Apogon maculatus 297 2 ℃ ♥ № □ 25°C sg: 1.022 15 cm 150L



Apogon aurolineatus 297 2 → O ▼ 🖾 🗆 26°C sg: 1.022 5 cm 50L



Apogon retrosella 297 3 2 ~ € ♥ № 🗔 26°C sg: 1.022 10 cm 100L

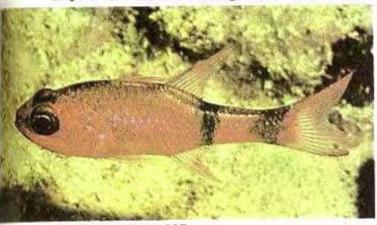


Apogon dovii 297 3 ℃ ♥ ♥ 🖾 🗔 26°C sg: 1.022 7.5 cm 80L



Apogon binotatus 297 2 ℃ ♥ ♥ □ 24°C sg: 1.022 13 cm 150L





Apogon robinsi 297 2 ℃ ♥ ♥ □ 26°C sg: 1.022 13 cm 150L



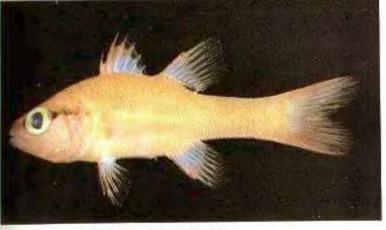
Apogon townsendi 297 2 ♀ ▼ ▼ ▼ □ 26°C sg: 1.022 7.5 cm 80L



Apogon pillionatus 297 2 ℃ € ♥ 🖾 🗔 26°C sg: 1.022 7 cm 80L



Apogon phenax 297 2 ♀ ∽ • ♥ № □ 26°C sg: 1.022 8 cm 80L





Apogon lachneri 297 2 ℃ ♥ ♥ □ 26°C sg: 1.022 11 cm 100L



Apogon crassiceps 297 6-7 ♀ ◆ ♥ ❤️ □ 25°C sg: 1.022 10 cm 100L



Apogon sp. 297 7 ℃ ♥ № 🗔 26°C sg: 1.022 8 cm 80L



Apogon nigripes 297 9-10 9 ~ 0 ♥ 🖼 🗔 26°C sg: 1.022 7 cm 80L





Apogon coccineus 297 6-10 ♀ ~ € ♥ ፟ □ 26°C sg: 1.022 5 cm 50L



Apogon evermanni 297 6 9 ~ 0 ♥ 1 = 26°C. sg: 1.022 10 cm 100L



Apogon sp. 297 7 ℃ ♥ № □ 26°C sg: 1.022 7.5 cm 80L



 Apogon elliotti 297
 Sphaeramia nematoptera 297

 7 ♀ ❤ ❤ ☒ □ 26°C sg: 1.022 12 cm 150L
 7, 9 ♀ ❤ ❤ ☒ □ 26°C sg: 1.022 10 cm 100L



Apogon apogonides 297 7,9 € → € □ 26°C sg: 1.022 10 cm 100L



Apogon kallopterus 297 6-10 € > € ₩ = 26°C sg: 1.022 15 cm 150L



Apogon sp. 297 7 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 6 cm 60L



Cheilodipterus artus 297 9 ♀ ▼ • ▼ 🚾 🗔 26°C sg: 1.022 12 cm 150L



Apogon aureus 297 7, 9-10 ♀ ◇ ▼ ♥ ➡ ➡ 26°C sg: 1.022 12 cm 150L



Apogon taeniatus 297 9-10 ♀ ◆ € ♥ ₩ 💷 26°C sg: 1.022 10 cm 100L



Cheilodipterus quinquelineatus 297 6-10 ♀ ◇ € ♥ ☎ □ 26°C sg: 1.022 12 cm 150L



Cheilodipterus lineatus 297 6-10 ♀ ◇ € ♥ № □ 26°C sg: 1.022 22 cm 200L



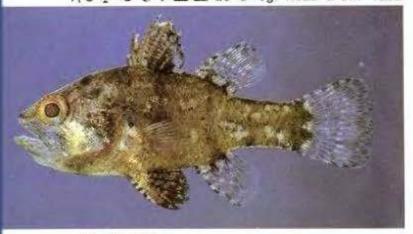
Cheilodipterus macrodon 297 6-10 ♀ ✓ 、 ○ 火 ☎ □ 24°C sg: 1.022 24 cm 200L



Cheilodipterus sp. 297 7 ℃ ♥ № □ 26°C sg: 1.022 8 cm 80L



Cheilodipterus zonatus 297 7,8 € ~ 0 ♥ ₩ 🗔 26°C sg: 1.022 9 cm 100L



Foa fo 297 6-8 ♀ ▼ € ♥ 🖼 🗆 24°C sg: 1.023 3 cm 50L



Cheilodipterus lachneri 297 9-10 ♀ ◇ • ♥ № □ 26°C sg: 1.022 12 cm 150L



Cheilodipterus sp. 297 6 € ~ • ▼ 🖾 🗆 26°C sg: 1.022 12 cm 150L



Apogon affinis 297 2 ℃ • • ■ □ 26°C sg: 1.022 10 cm 100L



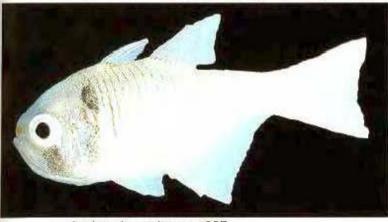
Fowleria variegata 297 6-10 ♀ ◆ ♥ ❤ 🖾 🗆 26°C sg: 1.022 5 cm 50L



Archamia leai 297 7-8 ♀ ◇ • • ▼ 🖾 🗔 25°C sg: 1.022 8 cm 80L



Archamia zosterophora 297 7, 9 2 ~ € ♥ ₩ 🗔 25°C sg: 1.022 6 cm 60L



Archamia melasma 297 7-8 ♀ ◆ ● ▼ 🖬 🗔 25°C sg: 1.022 7 cm 80L



Archamia fucata 297 7, 9-10 ♀ ◆ ♥ ♥ □ □ 25°C sg: 1.022 8 cm 80L



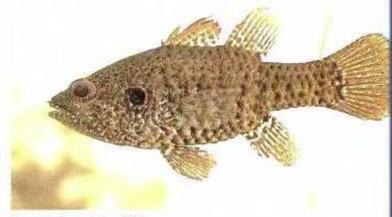
Archamia lineolata 297 7-10 3 ~ € ♥ 🚾 🗔 25°C sg: 1.022 9 cm 100L



Archamia biguttata 297 6-7 ♀ ◆ ● ▼ 🖾 🖂 25°C sg: 1.022 7 cm 50L



Fowleria cf variegata 297 6-10 ♀ ◇ • • ★ 🗔 25°C sg: 1.022 5 cm 50L



Fowleria aurita 297 7, 9-10 ♀ ◇ € ♥ № 🖂 25°C sg: 1,022 9 cm 100L



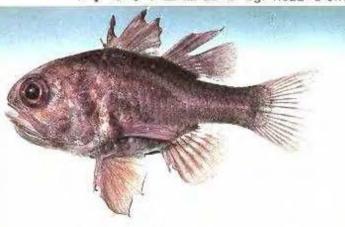
Astrapogon stellatus 297 2 ♀ ▼ ● ♥ 🖼 🗆 25°C sg: 1.022 6.5 cm 200L



Phaeoptyx xenus 297 2 ♀ ◇ • • ► = 26°C sg: 1.022 7.5 cm 75L



Pterapogon mirifica 297 7 ℃ ♥ ♥ 🖼 🗔 25°C sg: 1.022 8 cm 80L



Vincentia sp. 297



Astrapogon punticulatus 297 2 ℃ • ♥ ☎ 🚅 25°C sg: 1.022 6.5 cm 80L



Phaeoptyx pigmentaria 297 2 ℃ ● ♥ 🖾 🗆 26°C sg: 1.022 6.5 cm 70L



Phaeoptyx conklini 297 2 ♀ ◇ • • ▼ № 1... 25°C sg: 1.022 6.5 cm 80L



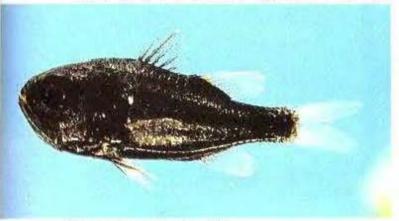
Vincentia punctatus 297 7, 12 € ~ € ♥ № □ 24°C sg: 1.022 4.5 cm 50L 7, 12 € ~ € ♥ № □ 25°C sg: 1.022 10 cm 100L

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Pseudamia amblyuroptera 297 7 2 ~ 0 ♥ № 🗔 26°C sg; 1.022 7.5 cm 80L



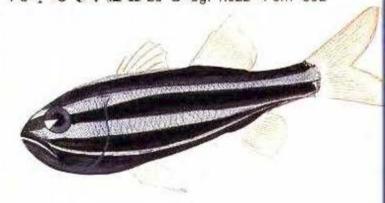
Siphamia versicolor 297 6-10 ♀ ~ ● ♥ ☎ □ 26°C sg: 1.022 4 cm 50L



Siphamia fuscolineata 297 7-8 ♀ ❤ ❤ ➡ □ 26°C sg: 1.022 4 cm 50L



Siphamia cephalotes 297 7, 12 ♀ ▼ • ▼ □ 25°C sg: 1.022 4 cm 50L



Siphamia sp. 297 7 2 ~ € ♥ 1 □ 26°C sg: 1.022 4 cm 50L



Apogonichthys ocellatus 297 7,9 ♀ ✓ • ♥ ☎ 🗀 26°C sg: 1.022 6 cm 60L



Siphamia mossambica (?) 297 9 2 ~ ● ▼ 🖾 🗔 26°C sg: 1.022 4 cm 50L

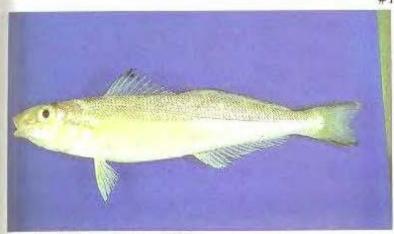


Hoplolatilus starcki 300 6 ~ € ♥ ♠ 🖾 26°C sg: 1.022 11 cm 100L

Hoplolatilus fronticinctus 300 7-9 ❖ € ♥ 🗗 🖾 26°C sg: 1.022 21 cm 200L



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Sillago sihama 299 6-9 ✓ 🕻 🗘 🔚 26°C sg: 1.022 30 cm 300L



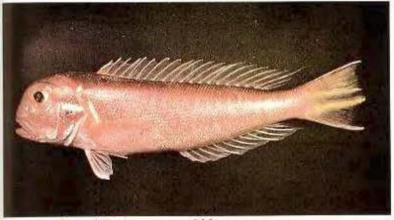
Sillago macrolepis 299 7 ~ • ○ ★ 🖾 🗠 26°C sg: 1.022 20 cm 200L



Caulolatilus princeps 300 3-4 ✓ ¬ ○ ★ 🖻 🖾 25°C sg: 1.022 45 cm 500L



Sillago maculata 299 8 ~ ~ ○ * = E 26°C sg: 1.022 30 cm 300L



Branchiostegus sp. 300 Lopholatilus chameleonticeps 300 7~~ ① 火 面 短 □ 26°C sg: 1.022 40 cm 400L 1-2~ 、 ① 火 □ □ 23°C sg: 1.024 42 cm 400L



Lopholatilus chameleonticeps 300



Branchiostegus albus 300 5,7 √ √ ↑ ↑ ★ 🖬 🗔 24°C sg: 1.023 40 cm 400L



Branchiostegus japonicus 300 5,7 ✓ √ ① ★ 🚾 🖾 26°C sg: 1.022 45 cm 500L



Hoplolatilus starcki 300 6 ♥ € ♥ № № 26°C sg: 1.022 11 cm 100L



Hoplolatilus fourmanoiri 300 7 ♥ ♥ ➡ 🖾 26°C sg; 1.022 20 cm 200L



Hoplolatilus chlupatyi 300 7 ~ € • T = 26°C sg: 1.022 15 cm 200L



Hoplolatilus marcosi 300 7 ~ € 7 € 26°C sg: 1.022 20 cm 200L



Hoplolatilus starcki 300 6 ~ € ♥ 🙃 🖂 26°C sg: 1,022 11 cm 100L



Hopfolatilus purpureus 300 7 ♥ ● ▼ ➡ 🖾 26°C sg: 1.022 15 cm 200L



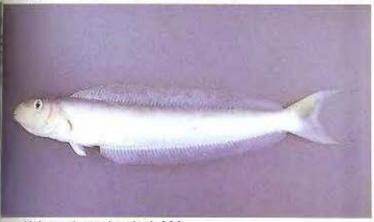
Hoplolatilus chlupatyi 300 7 ~ ↑ ♦ ★ 월 26°C sg: 1.022 15 cm 200L



Malacanthus latovittatus 345 5,7,9 ~ ~ ○ ▼ 🖬 🖾 🖾 26°C sg: 1.022 45 cm 500L



Malacanthus latovittatus 300 5, 7, 9 → 10 ★ 🖬 🖃 26°C sg: 1.022 45 cm 500L



Malacanthus plumieri 300 1-2, 13 ♀ ◇ • • • ■ □ 26°C sg: 1.022 60 cm 600L



Malacanthus brevirostris 300 6-10 ◇ → ① 火 両 編 □ 26°C sg: 1.022 60 cm 600L



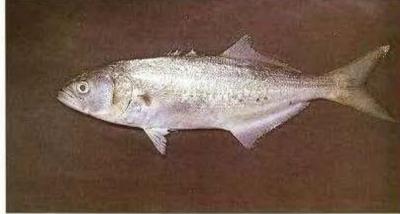
Labracoglossa argentiventris 301 5 ~ 0 ★ 🖾 🖽 23°C sg: 1.024 25 cm 300L



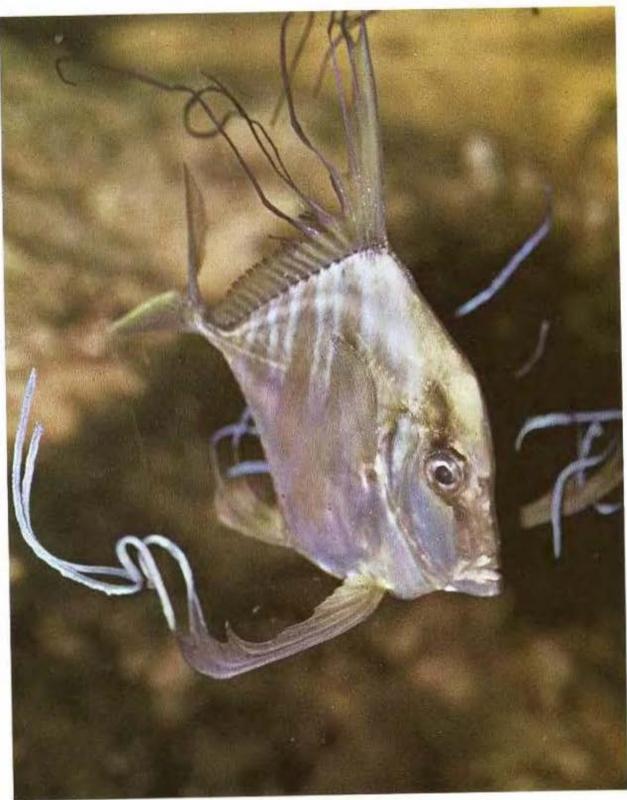
Malacanthus brevirostris 300 6-10 ◇ → ①火面幅 □ 26°C sg: 1.022 60 cm 600L



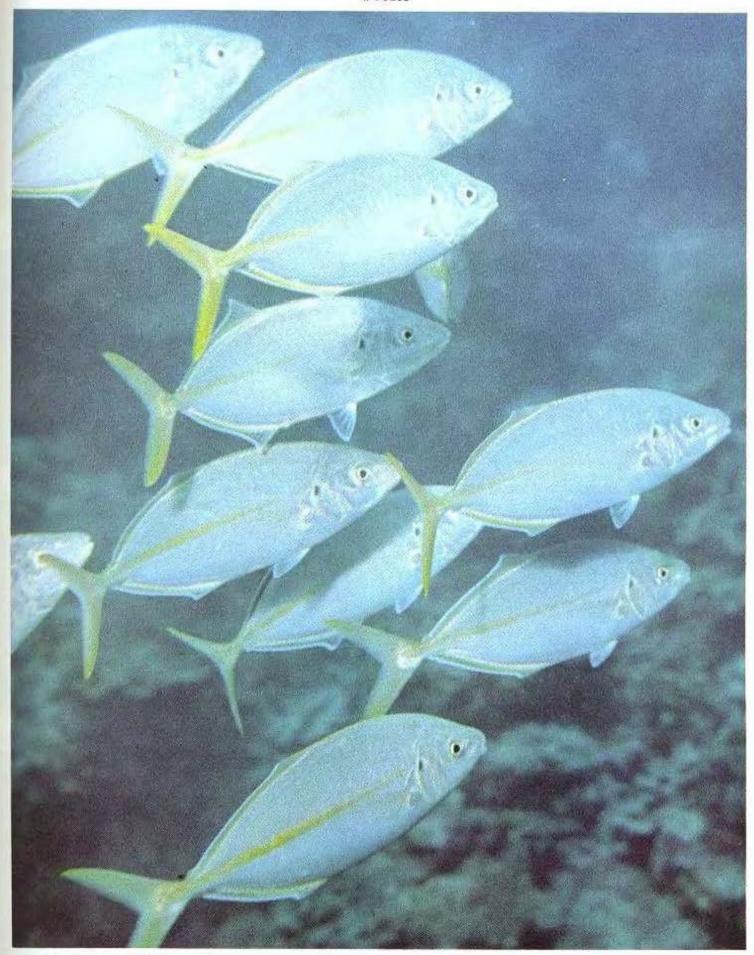
Lactarius lactarius 302 7 √ 0 % 🔤 🖾 24°C sg: 1.023 20 cm 200L



Pomatomus saltatrix 303 Worldwide ~ > 0 ★ 🖾 26°C sg: 1.022 90 cm 1000L

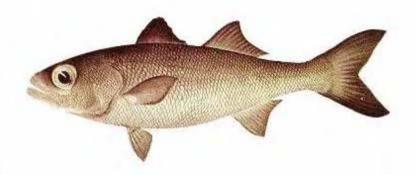


Alectis Indicus 306 5, 7 ✓ ✓ € 🔀 🖾 🖾 26°C sg: 1.022 50 cm 500L

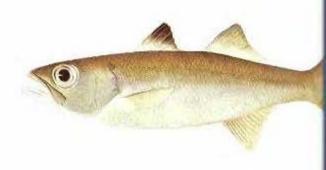


Pseudocaranx dentex 306 5,7 ~ < € ※ 25°C sg: 1.022 95 cm 1000L

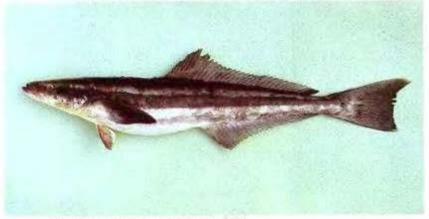
#182B 244



Scombrops gilberti 303 5 ~ • • ★ 🗗 🗆 23°C sg: 1.024 100 cm 1000L



Scombrops boops 303 5 **♦** ★ **□** 24°C sg: 1.023 110 cm 1200L



Rachycentron canadum 304 Circumtrop. ~ ~ ○ * ➡ ☲ 26°C sg: 1.022 180 cm 2000L



Rachycentron canadum 304 Circumtrop. ~ ~ ○ * 🖾 🖾 26°C sg: 1.022 180 cm 20



Remorina albescens 305 1-15 ♀ ~ • • ▼ 📾 🖽 26°C sg: 1.022 30 cm 300L

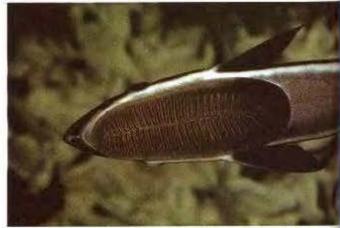


Echeneis naucrates 305 Worldwide、〇火 面世 26°C sg: 1.022 100 cm 10



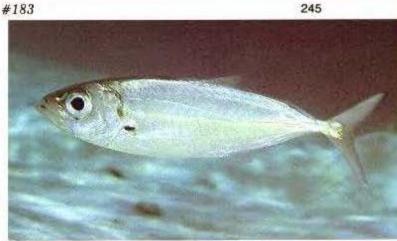
Echeneis naucratoides 305
Circumtrop. < ○ ★ 屆 ⊟ 26°C sg: 1.022 100 cm 1000L

Echeneis sp. 305
Worldwide < ○ ★ 區 □ 26°C sg: 1.022 100 cm 1000L

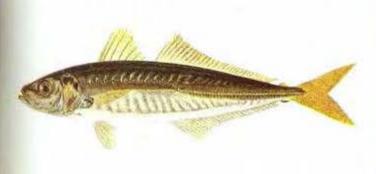




Selar crumenophthalmus 306 Circumtrop. < ○ ★ ➡ 🖾 26°C sg: 1.022 30 cm 300L



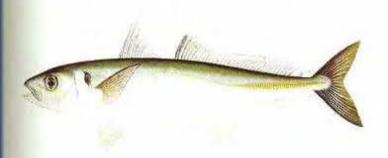
Selar crumenophthalmus 306 Circumtrop. < € ★ ➡ ☲ 26°C sg: 1.022 30 cm 300L



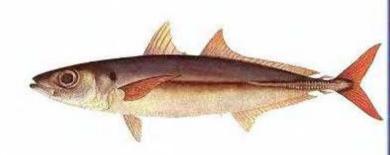
Decapterus punctatus 306 1, 2 √ 0 % ➡ 🖾 25 °C sg: 1.022 60 cm 600L



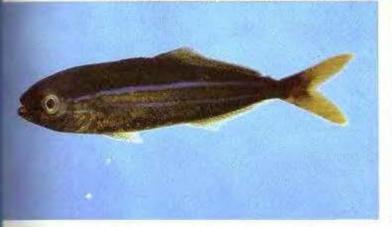
Trachurus japonicus 306 5-7 ≺ € 🛠 🖾 🖾 24°C sg: 1.023 50 cm 500L



Decapterus muroadsi 306 6-7 - 0 * 🖾 🖾 26°C sg: 1.022 35 cm 400L



Decapterus tabl 306 Circumtrop. ~ 0 % \$\box\$ \$\overline{\text{C}}\$ \$\overline{\text{26°C}}\$ \$\overline{\text{sg}}\$: 1.022 30 cm 300L



Elagatis bipinnulata (juv.) 306 Circumtrop. < ① ★ 🔜 🗀 26°C sg: 1.022 100 cm 1000L



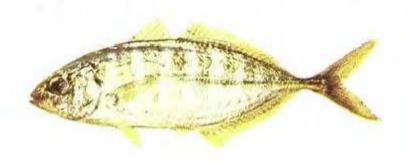
Elagatis bipinnulata 306 Circumtrop. → ① ★ 🖾 🖾 26°C sg: 1.022 100 cm 1000L



Atule mate 306 5, 7, 9 ◇ → ① ※ ☎ ☎ 26°C sg: 1.022 30 cm 300L



Gnathanodon speciosus 306 5-10 → € 🛠 🖂 🗀 26°C sg: 1.022 90 cm 1200L



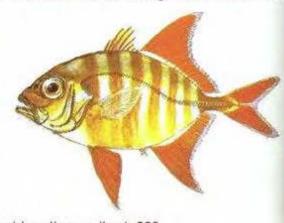
Carangoides vinctus 306 3 ~ ~ ○ 火 26°C sg: 1.022 30 cm 300L



Carangoides orthogrammus 306 5-10 ◇ → ① 火 區 区 26°C sg: 1.022 40 cm 400L



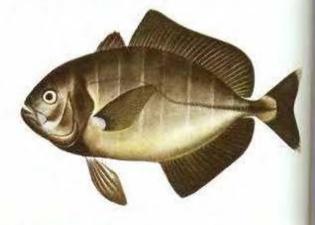
Carangoides equula 306 5-7 ~ • • ○ ★ 🕟 🖽 26°C sg: 1.022 40 cm 400L



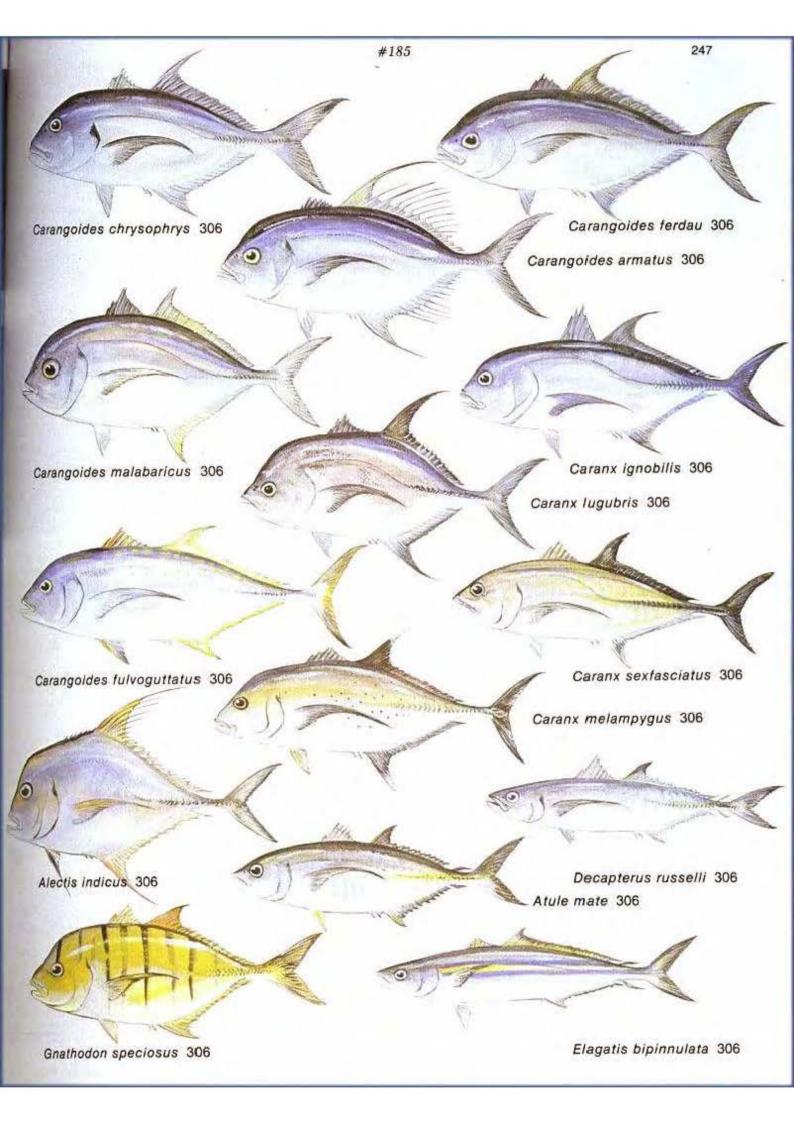
Carangoides dinema (juv.) 306 7 ◇ 、 ○ 火 區 四 26°C sg: 1.022



Carangoides sp. 306 8 → 10 火 m 🖾 26°C sg; 1.022 65 cm 800L



Uraspis helvola 306 5, 7 → • • ★ 🗟 🖾 26°C sg: 1.022 75 cm 800





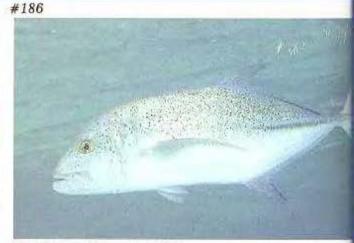
Caranx bucculentus 306 7 ★ ① ※ 🖾 🖾 26°C sg: 1.022 25 cm 300L



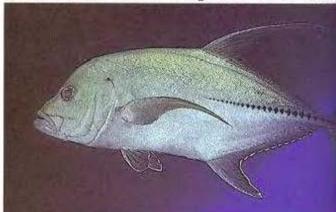
Carangoides sp. (?armatus) (juv.) 306 7-9 ≺ ♠ ★ ➡ ☎ 26°C sg: 1.022 55 cm 300L



Carangoides ruber 306 1-2 \ ① ★ ➡ ☲ 26°C sg: 1.022 28 cm 300L



Caranx melampygus 306 3, 6-10 ★ ① ★ 🖾 🖾 26°C sg: 1.022 80 cm 800L



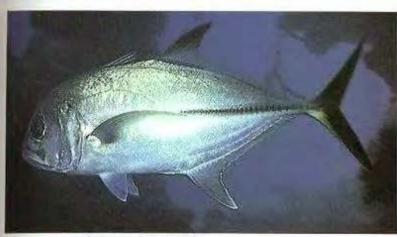
Caranx lugubris 306 Circumtrop. ~ ~ ○ ※ 🖼 🖾 26°C sg: 1.022 93 cm 100



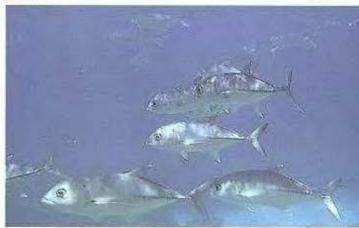
Caranx crysos 306 1-2, 13 → ① ★ 🖾 🖾 25°C sg: 1.023 58 cm 600L



Carangoides ferdau 306 6-10 ✓ ✓ ♦ 🛠 🖾 🖾 26°C sg: 1.022 60 cm 800L



Caranx latus 306 1-2 < € ★ 🕞 🖾 25°C sg; 1.022 75 cm 800L



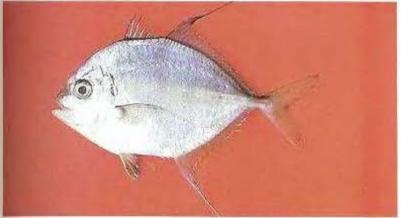
Caranx sexfasciatus 306 3, 6-10 → C ★ 🖼 🖾 26°C sg: 1.022 85 cm 1000L



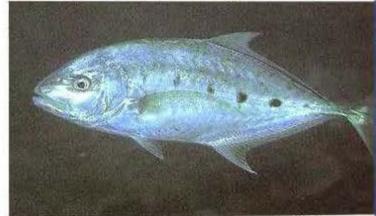
Caranx ignobilis 306 7-10 ◇ 、 ① 火 届 閏 26°C sg: 1.022 100 cm 1000L



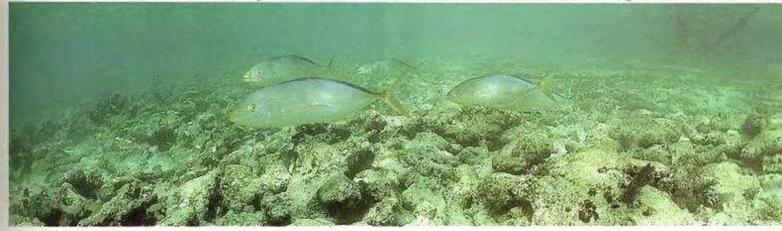
Caranx hippos and C. caballus 306 Circumtrop. < ○ ★ ➡ 🖾 26°C sg: 1.022 90 cm 1000t



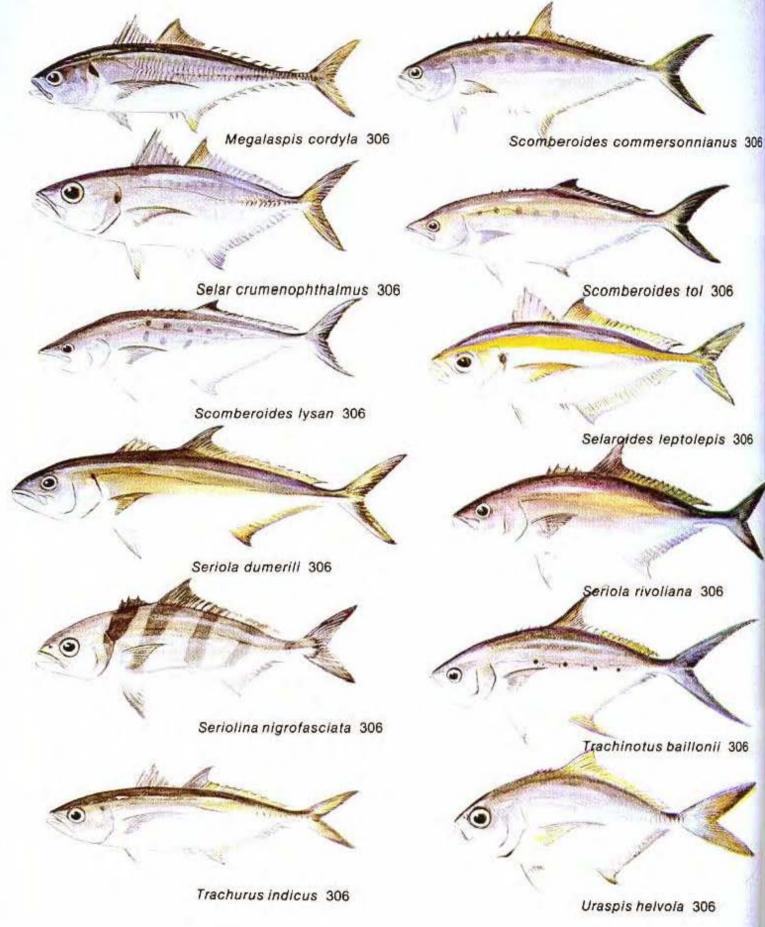
Carangoides coeruleopinnatus 306 7-9 🌣 🔹 🗗 🖾 🖾 26°C sg: 1.022 40 cm 400L



Carangoides fulvoguttatus 306 7-10 ◇ → ① ※ 🖬 🖾 26°C sg: 1.022 100 cm 1000L



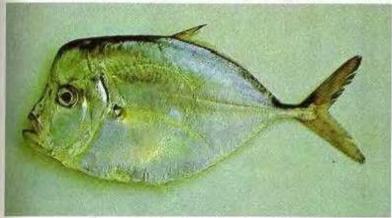
Carangoides bartholomei 306 1-2 ~ ~ 0 ★ ➡ ☲ 26°C sg: 1.022 100 cm 1000L



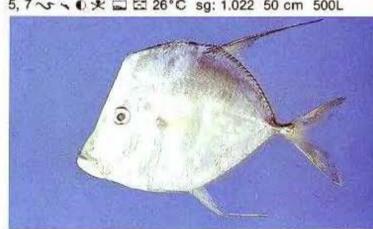


Alectis ciliaris 306 1200L Alectis indicus 306 Circumtrop. ~ ~ ○ 火 區 🖾 26°C sg: 1.022 110 cm 5, 7 ~ ~ ○ 火 🖾 🖾 26°C sg: 1.022 50 cm 500L

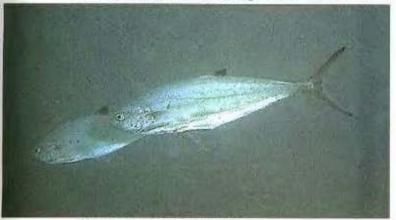




Selene setapinnis .306 2 ~ ~ € № № № № 26°C sg: 1.022 30 cm 300L



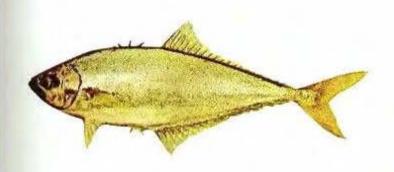
Selene brevoortii 306 3 ~ ~ € ♥ ﷺ 🖾 26°C sg: 1.022 30 cm 300L



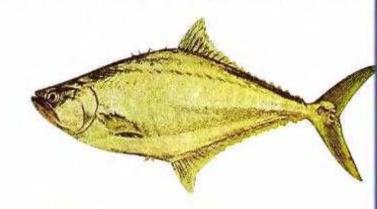
Scomberoides lysan 306 6-9 < € ★ 1.022 60 cm 600L



Selene vomer 306 1-2, 13-14 ~ ~ € ♥ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Oligoplites saurus 306 Oligoplites altus 306 2-3 ◇ → ① 火 編 図 26°C sg: 1.022 30 cm 300L 3 ◇ → ① 火 殿 図 26°C sg: 1.022 31 cm 300L

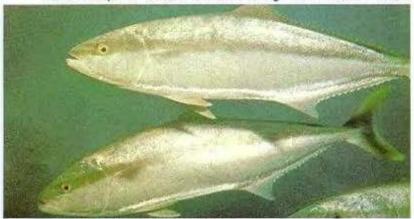


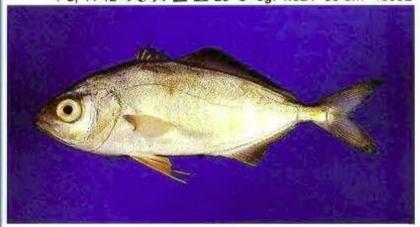


Seriola hippos 306 7-8 ~ • € 🗶 🖾 🖾 26°C sg: 1.022 100 cm 1000L



Seriola rivoliana 306 Circumtrop. ✓ ✓ • • ★ 🖾 🖾 26°C sg: 1.022 100 cm 1000L





Seriola dumerili (juv.) 306 Circumtrop, ~ < ○ ★ ➡ 🖾 🖾 24°C sg: 1.022 180 cm 2000L



Seriola lalandi dorsalis 306 3,4 ~ ・ ・ ・ 火 🖾 🖾 25°C sg: 1.022 90 cm 1000L



Seriola rivoliana 306 Circumtrop. → ① ★ ➡ ☲ 26°C sg: 1.022 100 cm 1000L



Seriola quinqueradiata 306 5 \ 0 ★ ➡ 🖾 23°C sg: 1.024 100 cm 1000L



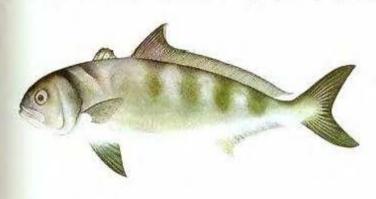
Seriola dumerili 306 Circumtrop. ~ ~ ○ * □ □ 24°C sg: 1.022 180 cm 2000L



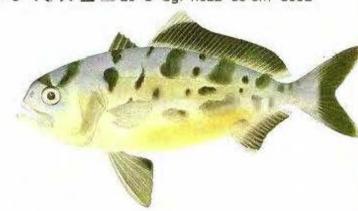
Naucrates ductor 306 Circumtrop. ~ ~ € 🗴 🖂 🗀 26°C sg: 1.022 60 cm 600L



Seriola zonata 306 2 ~ ~ 0 ★ 📟 🖾 26°C sg: 1.022 80 cm 800L



Seriolina nigrofasciata 306 Circumtrop. < € ★ 🖻 🖾 26°C sg: 1.022 90 cm 1000L



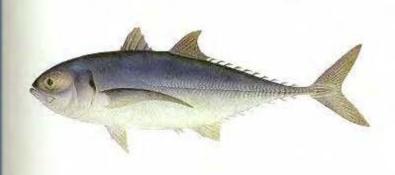
Seriolina nigrofasciata (juv.) 306 Circumtrop. < 0 ★ 🗗 🖾 26°C sg: 1.022 90 cm 1000L



Chloroscombrus chrysurus 306 1-2 ❖ ● ♥ № 🖾 26°C sg: 1.022 30 cm 300L



Pantolabus radiatus 306 8, 12 ~ ~ 0 ★ 🖾 🖽 26°C sg: 1.022 25 cm 300L





#192 254



Trachinotus goodei 306 1, 2 ~ 5 0 % ➡ ☎ 26°C sg: 1.022 32 cm 300L



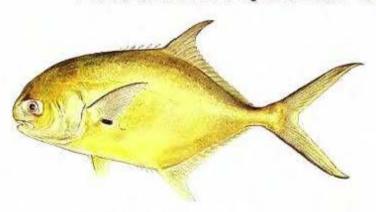
Trachinotus baillonii 306 7-10 → € 😕 🖾 🖾 26°C sg: 1.022 60 cm 600L



Trachinotus rhodopus 306 3 ~ ○ * ➡ ➡ 5 26°C sg: 1.022 60 cm 600L



Trachinotus biochii 306 7,9 ~ 0 火 🖂 🖾 26°C sg: 1.022 60 cm 600L



Trachinotus kennedyi 306

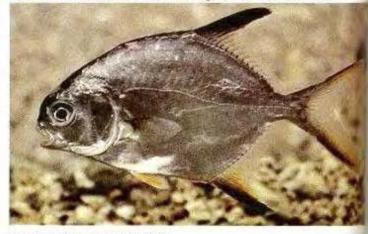
3 ~ ~ ○ ★ ➡ ☲ 26°C sg: 1.022 61 cm 600L

1, 2 ~ ~ ○ ★ ➡ ☲ 26°C sg: 1.022 60 cm 600L





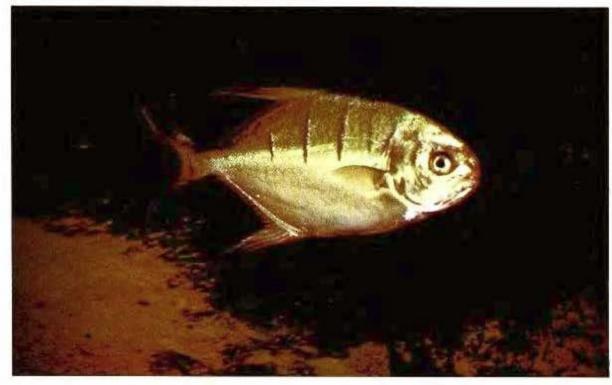
Trachinotus falcatus 306 1500L Trachinotus blochii 306 1-2, 13-14 ~ • • • • ≥ ≥ 26°C sg: 1.022 140 cm 7, 9 • • ≥ ≥ 26°C sg: 1.022 60 cm 600L

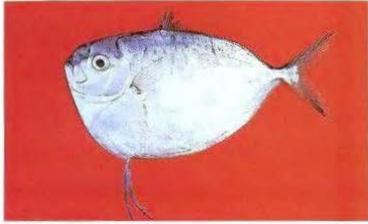




Trachinotus blochii 306 7, 9 > € 🔀 🖾 26°C sg: 1.022 60 cm 600L

Trachinotus goodel 306 1, 2 ∼ √ € 🔀 🖾 🖾 26°C sg: 1.022 32 cm 300L

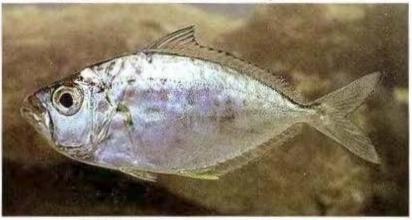




Mene maculata 310 5-7, 9 ✓ • • ★ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Secutor ruconius 311 7,9 ~ € ♥ 🖾 🖾 26°C sg: 1.022 10 cm 100L



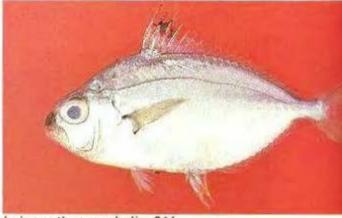
Gazza minuta 311 7, 9 ~ ~ 0 V = 26°C sg: 1.022 15 cm 200L



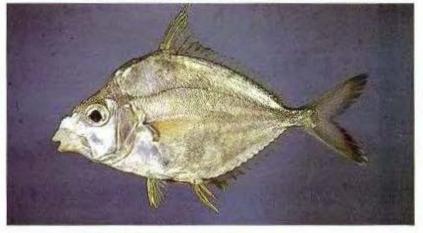
Leiognathus fasciata 311 7, 9 ~ ~ 0 ♥ 🖾 🗆 26°C sg: 1.022 20 cm 200L



Leiognathus nuchalis 311 5,7 ~ • • ▼ □ □ 26°C sg: 1.022 17 cm 200L

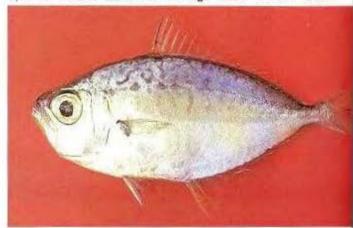


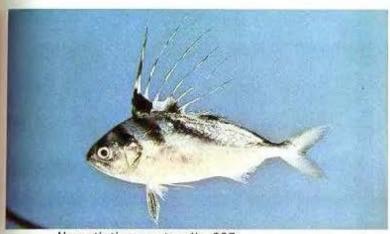
Leiognathus nuchalis 311 5, 7 ~ ~ 0 ♥ ➡ ➡ 26°C sg: 1.022 17 cm 200L



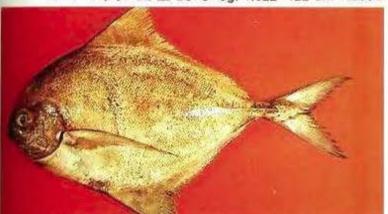
Leiognathus equulus 311

7, 9-10 ~ ~ ○ ♥ ➡ ☲ 26°C sg: 1.022 30 cm 300L 5, 7 ~ ○ ♥ ➡ ☲ 26°C sg: 1.022 10 cm 100L

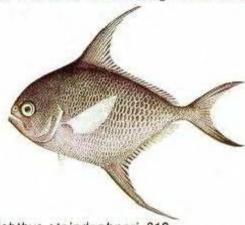




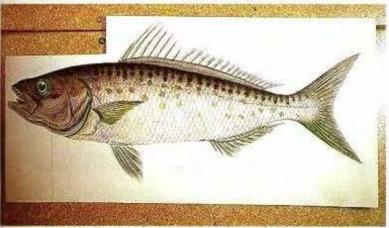
Nematistius pectoralis 307 3 ~ ~ ○ * ☑ 점 전 26°C sg: 1.022 122 cm 1200L



Parastromateus niger 309 7-8 ◇ → ○ ★ № 🖾 26°C sg: 1.022 55 cm 600L



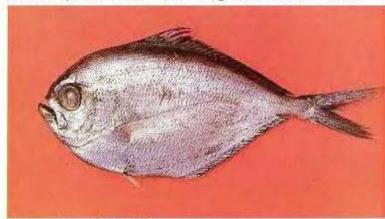
Taractichthys steindachneri 312 3, 6.9 ◇ 、 ○ 火 🖾 26°C sg: 1.022 60 cm 600L



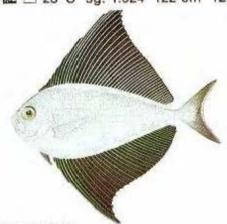
Arripes trutta 314 11-12 ◇ → ① 火 鹽 匹 22°C sg: 1.024 76 cm 800L



Coryphaena hippurus 308 Circumtrop. → C 😕 🖂 🗀 26°C sg: 1.022 150 cm 1500L



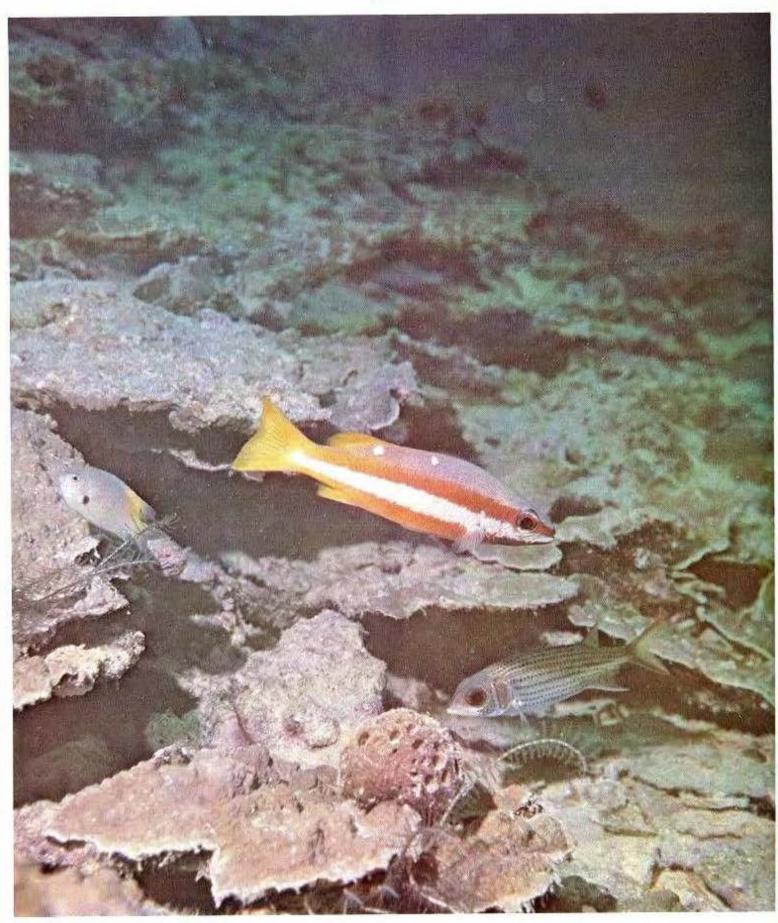
Brama japonicus 312 4-5 ~ ↑ ① ★ ➡ 🗀 23°C sg: 1.024 122 cm 1200L



Pterycombus petersii 312 6-9, 13 ✓ ¬ ○ ★ ➡ ☲ 23°C sg: 1.024 31 cm 300L



Arripes georgianus 314 12 ◇ 、 ○ 🏃 🖬 🖽 23°C sg: 1.024 70 cm 800L



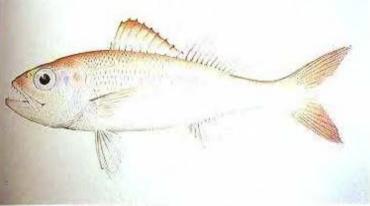
Lutjanus biguttatus 316 6-7 2 ~ • • ★ 🖼 🖂 26°C sg: 1.022 28 cm 300L



Aprion virescens 316 6-9 ~ → • • ★ 🖻 🖾 26°C sg: 1.022 100 cm 1000L



Paracaesio xanthura 316 12~~ ○ 火 函 回 23°C sg: 1.023 38 cm 400L



Etelis marshi 316 6, 7 → € 火 🔜 🗀 26°C sg: 1.022 90 cm 1000L



Etelis oculatus 316 2 ◇ → ① 火 函 四 26°C sg: 1.022 91 cm 1000L



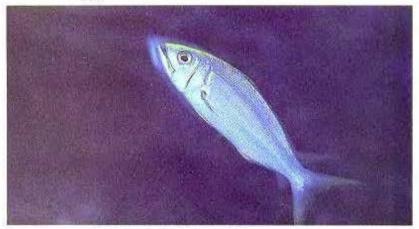
Apsilus dentatus 316 2 √ √ 0 ★ 🖪 🖾 26°C sg: 1.022 46 cm 500L



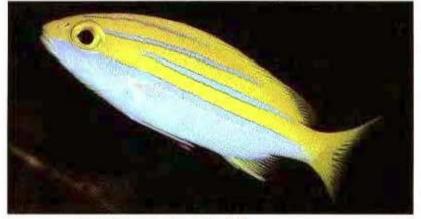
Rhomboplites aurorubens 316 1, 2 ★ 1 → 26°C sg: 1.022 60 cm 600L



Apsilus luscus 316 13 ~ ~ • • ★ 🗗 🖾 26°C sg: 1.022 75 cm 800L

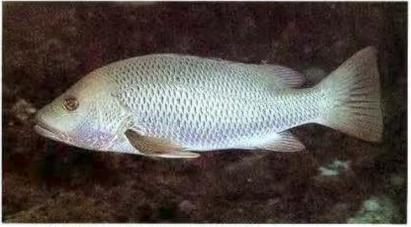


Aphareus furcatus 316 7 → • • ★ ﷺ ≥ 26°C sg: 1.022 40 cm 400L





Lutjanus notatus 316 9 ♀ ▽ 、 ○ 火 短 図 26°C sg: 1.022 22 cm 200L



Lutjanus argentimaculatus 316 6-10 全 ~ 、 ○ 火 鹽 閏 26°C sg: 1.022 60 cm 600L

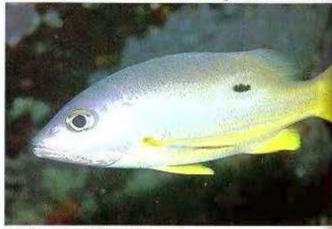


Lutjanus decussatus 316 7 字 ◇ ▼ 、 ① 火 届 区 26°C sg: 1,022 30 cm 300L





Lutjanus ehrenbergii 316 7-10 ♀ ▽ ▼ • • ※ ☎ ☲ 26°C sg: 1.022 30 cm 30



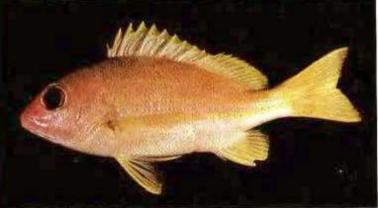
Lutjanus fulviflammus 316 7-10 ♀ ~ 、 ① 火 惺 閏 26°C sg: 1.022 30 cm 300



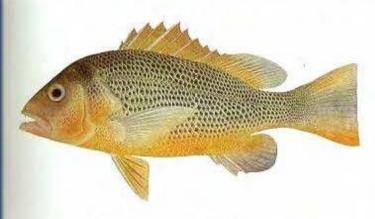
Lutjanus carponotatus 316 6-8, 12 € ~ • • ★ № 1 25°C sg: 1.022 40 cm 400L



Lutjanus lutjanus 316 5-9 % ~ () 火 麗 园 26°C sg: 1.022 25 cm 300L



Lutjanus rufolineatus 316 7℃~~①火险区 26°C sg: 1.022 22 cm 200L



Lutjanus argentimaculatus 316 6-10 9 V V S S 2 26°C sg: 1.022 60 cm 600L



Lutjanus carponotatus 316 6-8, 12 2 マ 、 ● 米 區 区 25°C sg: 1.022 40 cm 400L



Lutjanus vitta 316 7,9 ♀ ◇ → ◆ ◆ 繁 □ 26° C sg: 1.022 37.5 cm 400L



Lutjanus quinquelineatus 316 7,9 ℃ ~ ◆ ① 火 版 区 26°C sg: 1.022 40 cm 400L



Lutjanus adetii 316 6-7 ℃ √ √ € № № ⊠ 26°C sg: 1.022 40 cm 400L



Lutjanus bohar 316 7-10 € ~ • € № № № 26°C sg: 1.022 90 cm 1000L



Lutjanus monostigma 316 7-10 ~ • • ★ ★ 〒 26°C sg: 1.022 60 cm 600L



Lutjanus madras 316 9 ℃ 、 ○ 火 短 区 26°C sg: 1.022 20 cm 200L



Lutjanus gibbus 316 7-10 ◇ → ① 火 蹬 団 26°C sg: 1.022 40 cm 400L



Lutjanus fulvus 316 6-9 字 ~ 、 ① 火 區 区 26°C sg: 1,022 60 cm 600



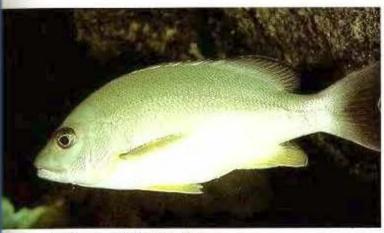
Lutjanus lunulatus 316 8 € ~ • • • ★ 🖾 🖾 26 °C sg: 1.022 25 cm 300L



Lutjanus biguttatus 316 6-7 % ◇ 、 ◆ ① 火 [☑ 26°C sg: 1.022 28 cm 300]



Lutjanus gibbus 316 7-10 ♀ ~ • • 火 ﷺ ☑ 26°C sg: 1.022 50 cm 500





Lutjanus russelli 316 7,9 2 ~ ~ € № № № 26°C sg: 1.022 50 cm 500L



Lutjanus stellatus 316 7 € 🌣 🖈 🗱 🖾 26°C sg: 1.022 35 cm 400L



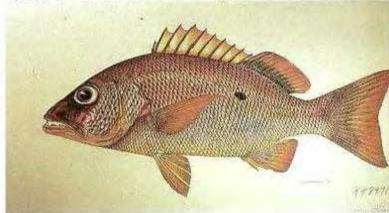
Lutjanus timorensis 316 7 ♀ ▼ ▼ ♥ № № □ 26°C sg: 1.022 20 cm 200L



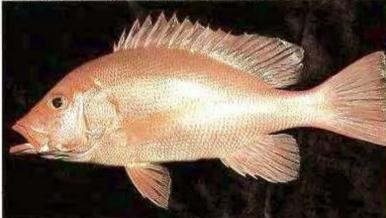
Lutjanus bohar 316 7, 9 € ~ ~ • ★ 월 🖾 26°C sg: 1.022 90 cm 1000L



Lutjanus russelli 316 7,9 % ~ • • ★ 1 ★ 100 26°C sg: 1.022 50 cm 500L



Lutjanus monostigma 316 7, 9, 10 ♀ ✓ ▼ ◆ ① 🏃 🖼 🖾 26°C sg: 1.022 60 cm 600L



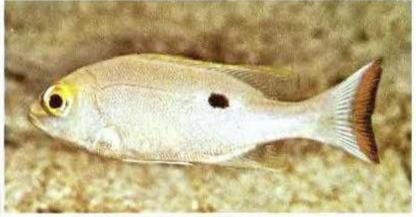
Lutjanus malabaricus 316 9 2 ~ • • ★ 1 26°C sg: 1.022 47.5 cm 500L



Lutjanus synagris 316 2 ♀ ~ • • ※ № № 26°C sg: 1.022 35 cm 400L



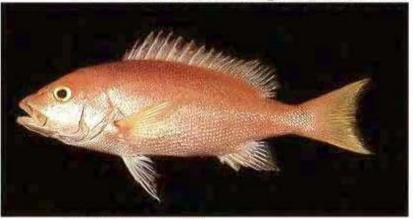
1, 2 9 ~ ~ 0 米 區 巨 24°C sg; 1.023 100 cm 1000



Lutjanus mahogoni 316 2 9 V S € 1.022 36 cm 400L



Lutjanus mahogoni 316 2分~、●火糧団 26°C sg: 1.022 36 cm 400L



Lutjanus vivanus 316 2 ℃ 、 0 火 圙 区 26°C sg: 1.022 90 cm 1000L



Lutjanus viridis 316 3 ℃ ~ • ♥ № 26°C sg: 1.022 30 cm 300L



Lutjanus guttatus (juv) 316 3 9 V 5 0 火 區 区 26°C sg: 1.022 60 cm 600L





Lutjanus campechanus 316 2 € 5 5 € 1 € 26°C sg: 1.022 60 cm 600L



Lutjanus buccanella 316 1, 2 2 1 € 1 26°C sg: 1.022 75 cm 800L



Lutianus apodus 316 1, 2 € √ √ 1 ★ № 2 24°C sg: 1.023 60 cm 600L



Lutjanus cyanopterus 316 2 3 ~ 1 € 1 26°C sg: 1.022 150 cm 1500L



Lutjanus analis 316 1, 2 ℃ ~ € 类 屋 区 24°C sg: 1.023 65 cm 800L



Lutjanus buccanella (juv.) 316 1, 2 € > < € ★ 1 26°C sg: 1.022 75 cm 800L



Lutianus apodus 316 1, 2 € ~ ~ • ★ № № 24°C sg: 1.023 60 cm 600L



Lutjanus griseus 316 1, 2 ♀ ◇ ▼ ▼ ▼ № № 2 24°C sg: 1.023 60 cm 600L



Lutjanus argentimaculatus 316 7-10 3 ~ • • • ★ 🗗 🔁 🖾 26°C sg: 1.022 60 cm 600L



Lutjanus erythropterus 316 6-10 全 ◇ → ① 火 短 区 26°C sg: 1.022 60 cm 600L



Lutjanus erythropterus (juv.) 316 6-10 ♀ ~ • ○ 火 ﷺ ☑ 26°C sg: 1.022 60 cm 600L



Lutjanus gibbus 316 7-10 全 🗸 🔾 火 💹 🖾 26°C sg: 1.022 50 cm 500L



Lutjanus sp. (lemniscatus?) 316 7,9 € ~ • • ★ 😉 🖾 26°C sg: 1.022 45 cm 500L



Lutjanus semicinctus 316 7,9 ♀ ◇ 、 (大 屋 🗆 26°C sg: 1.022 30 cm 300L



Lutjanus lemniscatus 316 7,99~~~ (火屋区 26°C sg: 1.022 45 cm 500

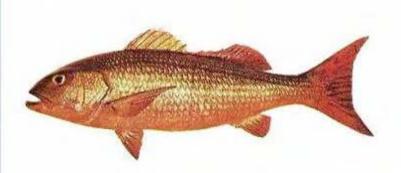
Symphorichthys spilurus 316 7 2 ~ 、 ○ 火 屆 団 26°C sg: 1.022 50 cm 500L



Symphorichthys spilurus (juv.) 316 7 ⅔ ∿ ♥ ❤️ 🖾 🖾 26°C sg: 1.022 50 cm 500L



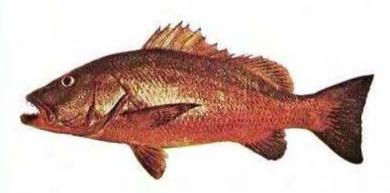
Symphorichthys spilurus (adult) 316 7 € ~ • • ★ ﷺ 🖾 26°C sg: 1.022 50 cm 500L



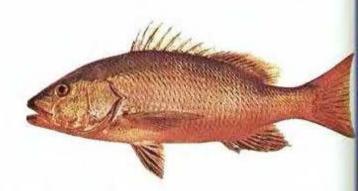
Lutjanus aratus 316 3 ♀ ▽ • • ★ № № 26°C sg: 1.022 75 cm 800L



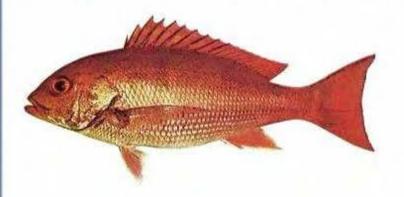
Symphorus nematophorus 316 7 2 ~ 5 € 1 26°C sg: 1.022 80 cm 800L



Lutjanus novemfasciatus 316 3 2 ~ ~ 0 ★ 1 26°C sg: 1.022 120 cm 1200L



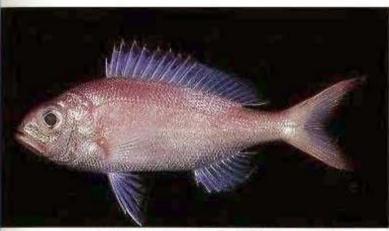
Lutjanus colorado 316 3 € ~ ~ • • ★ 🖼 🖾 26 ° C sg: 1.022 75 cm 800L



Lutjanus peru 316 3 ℃ ~ • ① 火 № 🖾 26°C sg: 1.022 38.5 cm 400L



Lutjanus peru 316 3 ℃ ~ • ♥ ※ № № № № 1.022 38.5 cm 400L



Pristipomoides macrophthalmus 316 7~ 文 史 国 26°C sg: 1.022 50 cm 500L



Ocyurus chrysurus 316 1.2 ≺ O ★ 🏗 🖾 24°C sg: 1.023 60 cm 1000L



Pristipomoides filamentosus 316 Pristipomoides multidens 316 7 € № № □ 26°C sg: 1.022 80 cm 800L 7 € № № □ 26°C sg: 1.022 90 cm 1000L

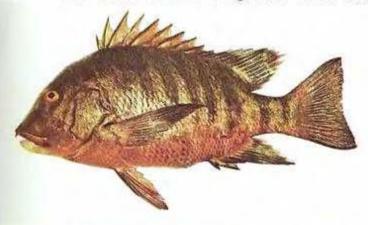




Tropidinus zonatus 316 7 ~ • • ★ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Macolor niger (juv.) 316 7-10 2 ~ 1.022 75 cm 800L



Hoplopagrus guentheri 316



Hoplopagrus guentheri (juv.) 316 3 ~ ~ 0 ★ 📾 🖃 26°C sg: 1.022 75 cm 800L 3 ~ ~ 0 ★ 🚡 🖃 26°C sg: 1.022 75 cm 800L





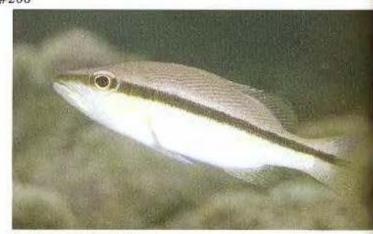
Macolor niger (juv.) 316 7-10 ⅔ ~ • ● ※ № ☲ 26°C sg: 1.022 75 cm 800L



Macolor niger 316 7-10 ♀ ◇ ¬ ◆ ♥ № ☲ 26°C sg: 1.022 75 cm 800L



Caesio varilineata 317 9 ◇ 、 ○ 火 編 ⊟ 26°C sg: 1.022 30 cm 300L



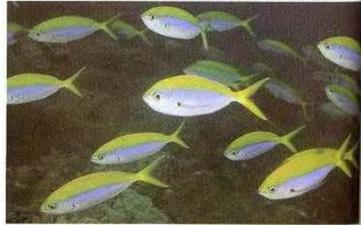
Lutjanus vitta 316 7-8 2 ~ ~ € 1 26°C sg: 1.022 37.5 cm 400L



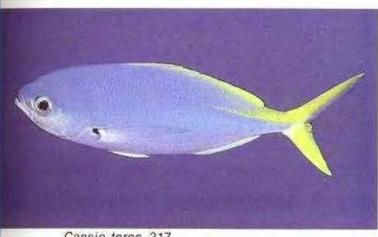
Macolor niger (juv.) 316 7-10 € ~ ~ € № № № № 26°C sg: 1.022 75 cm 800L



Symphorus nematophorus 316 7 ≥ ∨ → 0 火 № ⊠ 26°C sg: 1.022 80 cm 800L



Caesio xanthonota 317 7, 9 ∿ 、 € 失 월 ⊟ 26° C sg: 1.022 40 cm 400L



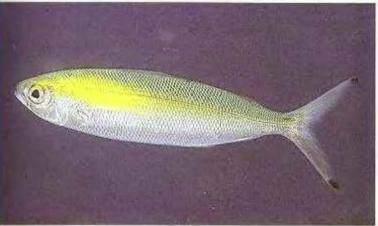
Caesio teres 317 9 2 ~ ~ ○ * 10 = 26°C sg: 1.022 30 cm 300L



Pterocaesio chrysozona 317 7, 9 ♥ ♥ ➡ ⊞ 26°C sg: 1.022 18.cm 200L



Pterocaesio tile 317 7,9 > € ♥ ★ 🖽 🖂 26°C sg: 1.022 30 cm 300L



Pterocaesio randalli 317 7, 9 ◇ € € ▼ 🕟 🖽 26°C sg: 1.022 18 cm 200L



Pterocaesio trilineata 317 9 ~ € ♥ ₩ 😑 26°C sg: 1.022 18 cm 200L



Pterocaesio lativittata 317 7, 9 € ♥ 🖬 🗏 26°C sg: 1.022 18 cm 200L

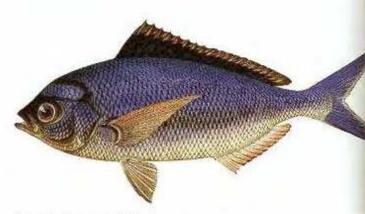


Pterocaesio tile 317 7, 9 √s () ♥ 📠 🖽 26°C sg: 1.022 30 cm 300L

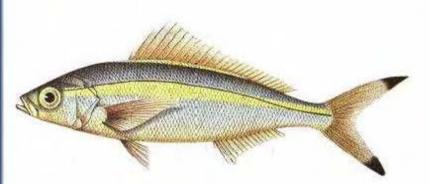




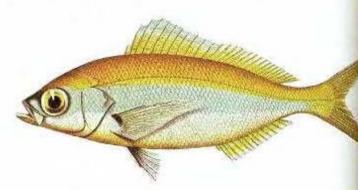
Caesio erythrogaster 317 7-9 → • • ★ 🖼 🖾 26°C sg: 1.022 36 cm 400L



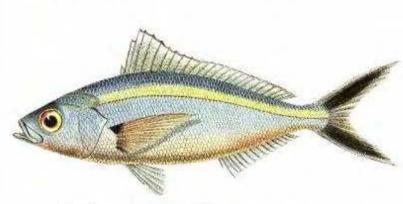
Caesio lunaris 317 7,9 → → ○ ★ ➡ ☲ 26°C sg: 1.022 30 cm 300L

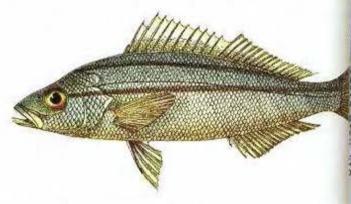


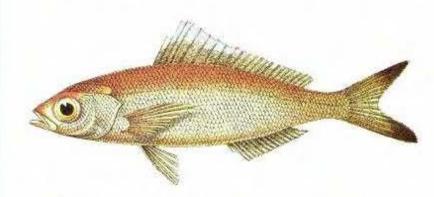
Pterocaesio chrysozona 317 7,9 → • • ☐ E 26°C sg: 1.022 18 cm 200L



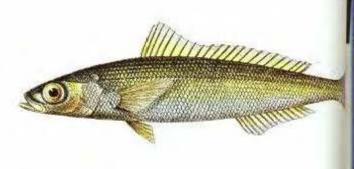
Caesio xanthonotus 317 7,9~、①火焰四 26°C sg: 1.022 40 cm 400L



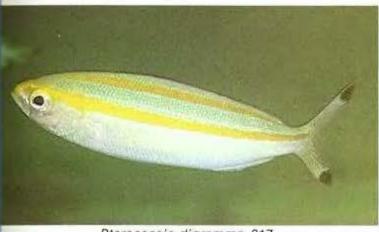




Caesio pisang 317 5, 7 ு € ♥ № № № 26°C sg: 1.022 20 cm 200L



Gymnocaesio gymnopterus 317 7,9 ~ € ♥ 🖬 🖽 26°C sg: 1.022 16 cm 200L



Pterocaesio digramma 317 7 ◇ € ♥ 🖪 🖹 26°C sg: 1.022 25 cm 300L



Caesio cuning 317 7 ~ ~ € ★ 🕟 🖾 🖾 26°C sg: 1.022 40 cm 400L



Caesio teres 317 9 ♀ ~ • • ★ 월 등 26°C sg: 1.022 30 cm 300L



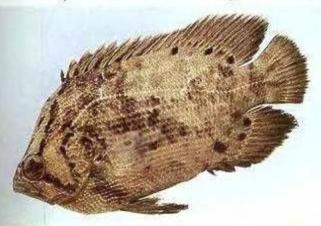
Caesio lunaris 317 7, 9 ~ ~ ○ 火 ⊡ 26°C sg: 1.022 30 cm 300L



Caesio pisang 317 5, 7 → 0 ♥ 🖼 🖾 26°C sg: 1.022 20 cm 200L



Caesio caerulaurea 317 7, 9 ❤ € ♥ 🖬 🖽 26°C sg: 1.022 18 cm 200L



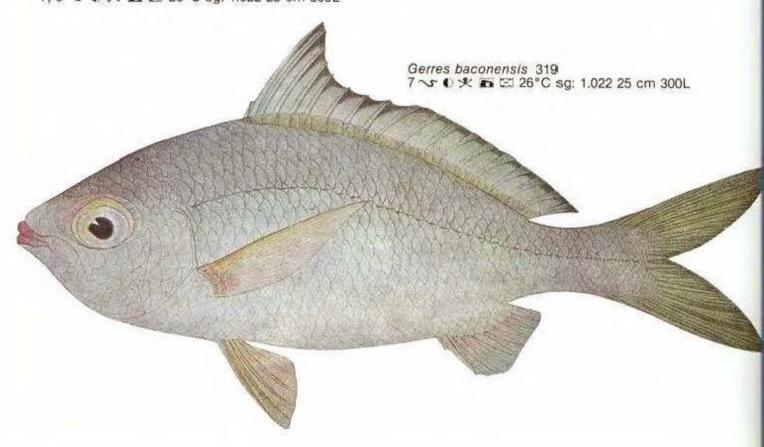
Lobotes surinamensis 317 Circumtrop. ~ ← € 类 编 区 26°C sg: 1.022 96 cm 1000L



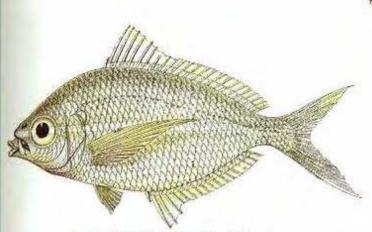
Lobotes surinamensis 317 Circumtrop. ~ ~ ① ★ № 🖾 26°C sg: 1.022 96 cm 1000L



Gerres oyena 319 7, 9 ◆ € ★ 🖬 🖾 26°C sg: 1.022 25 cm 300L



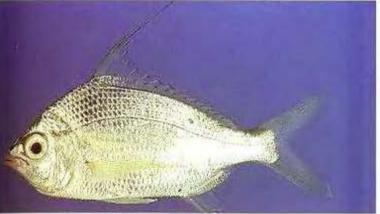
#210A 275



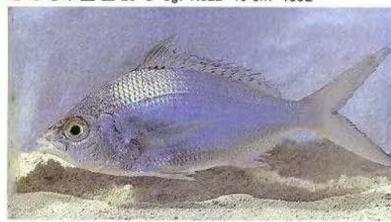
Pentaprion longimanus 319 7, 9 → 0 ♥ 🖬 🖾 26°C sg: 1.022 27 cm 300L



Parequula melbournenses 319 12 ~ 0 ♥ ■ 🖾 26°C sg: 1.022 10 cm 100L



Gerres filamentosus 319 7,9 ~ € ♥ 🖬 🖾 26°C sg: 1.022 27 cm 300L





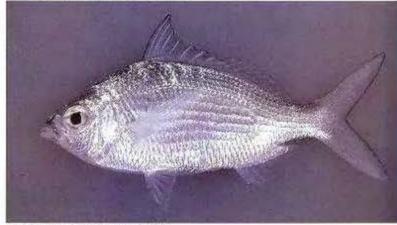
Eucinostomus gracilis 319 3 ~ € ♥ 🖬 🖾 26°C sg: 1.022 20 cm 200L



Gerres cinereus 319 2 ~ ↑ ↑ ★ 🖼 26°C sg: 1.022 20 cm 200L



Eucinostomus argenteus 319 1-3 ~ ↑ ▼ 🚡 🖾 26°C sg: 1.022 20 cm 200L

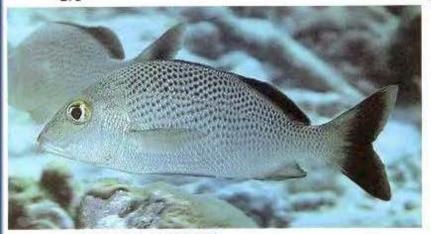


Eucinostomus gula 320 1-2 ~ ↑ ♥ 🖟 🖾 25°C sg: 1.022 18 cm 200L

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Haemulon flavolineatum 320 2 ♀ ▼ ★ ① 米 届 际 26°C sg: 1.022 30 cm 300L



Haemulon parrai 320 2 ♀ ◇ ▼ ♥ ※ ➡ 🖾 26°C sg: 1.022 40 cm 400L



Haemulon melanurum 320 ♀ ~ ~ • ♥ ➡ ☲ 26°C sg: 1.022 33 cm 350L



Haemulon sciurus 320 2 ℃ ~ ○ 火 📾 🖾 26°C sg: 1.022 18 cm 200L



Haemulon plumieri 320 2 ℃ ~ € ※ ☎ 🖾 26°C sg: 1.022 45 cm 500L



Haemulon flavolineatum 320 2 ℃ √ √ ℃ ★ 🗗 🖾 26°C sg: 1.022 30 cm 300L



Haemulon flavolineatum 320 2 ℃ へ ○ 火 🖻 🖾 26°C sg: 1.022 30 cm 300L



Haemulon flavolineatum 320 2 ♀ ◇ ¬ ◆ ○ 火 函 図 26°C sg: 1.022 30 cm 300L



Haemulon striatum 320 2 ♀ ▽ ▼ ② 火 區 図 26°C sg: 1.022 28 cm 300L

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Haemulon chrysargyreum 320 2 ♀ ∽ 、 ○ 火 🚡 🖽 26°C sg: 1.022 23 cm 300L



Haemulon album 320 2 ℃ ~ 0 火 🖼 🗆 26°C sg: 1.022 60 cm 600L



Haemulon macrostomum 320 2 ℃ 、 ○ 火 🕞 😑 26°C sg: 1.022 43 cm 500L



Haemulon aurolineatum 320 1-2 ♀ ◇ ▼ ♠ ☑ 25°C sg: 1.022 25 cm 300L



Haemulon aurolineatum 320 2 ℃ へ ① ※ 📠 😑 26°C sg: 1.022 36 cm 400L



Haemulon sciurus 320 2 ℃ ~ • • ★ 📾 🗆 26°C sg: 1.022 30 cm 300L



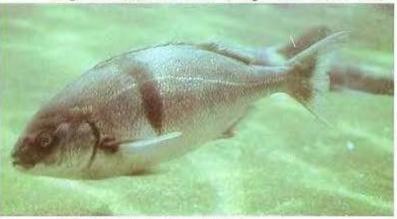
Haemulon sciurus 320 2 ♀ ▼ • ○ 火 🖪 🖽 26°C sg: 1.022 30 cm 300L



Haemulon sexfasciatum 320 3 ♀ ∿ 、 ○ ※ 📠 🖾 26°C sg: 1.022 33 cm 500L



Anisotremus surinamensis (juv.) 320 2 ℃ へ ○ ※ 區 🖾 26°C sg: 1.022 60 cm 600L

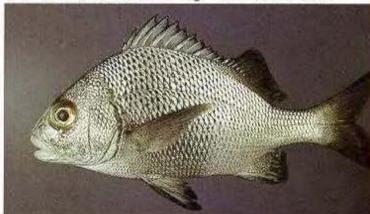


Anisotremus davidsonii 320 3 ℃ ~ ♥ ※ ፟ ☑ ☑ 26°C sg: 1.022 58 cm 600L





Haemulon flaviguttatum 320 3 ♀ ◇ → ◆ ★ 🖾 🖾 26° sg: 1.022 30 cm 300L



Anisotremus surinamensis 320 2 ℃ 、 ○ 火 蚕 🖾 26°C sg: 1.022 60 cm 600L



Anisotremus taeniatus 320 3 2 ~ ~ 0 火 🖬 🖾 26°C sg: 1,022 25 cm 250L



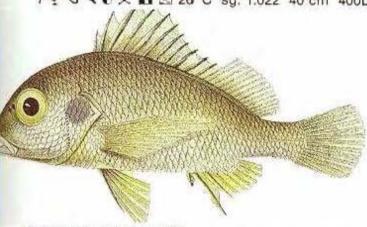
Anisotremus virginicus 320
2 ℃ へ ○ 火 區 🖾 26°C sg: 1.022 38 cm 400L 2 ℃ へ ○ 火 區 🖾 26°C sg: 1.022 38 cm 400L



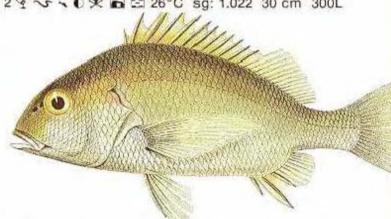
Parapristipoma trilineatum 320 7 º ~ • • № 🖬 🖾 26°C sg: 1.022 40 cm 400L



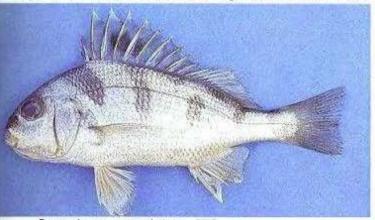
Conodon nobilis 320 2 ℃ ~ ○ 火 🖻 🖾 26°C sg: 1.022 30 cm 300L



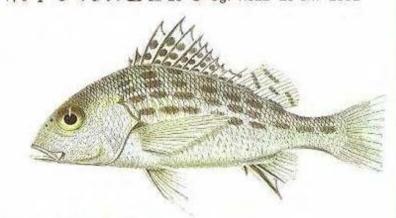
Pomadasys argyreus 320 7,9 € ~ • ○ ★ 🕞 🖾 26 °C sg: 1.022 20 cm 200L



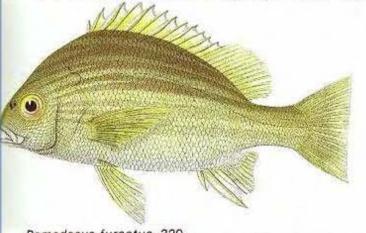
Pomadasys argyreus 320 7, 9 ♀ ◇ ▼ • ▼ ■ ☑ 26°C sg: 1.022 20 cm 200L



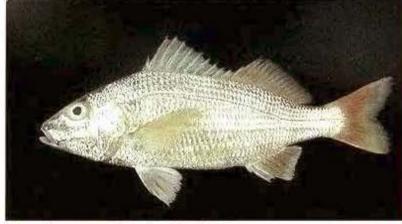
Pomadasys maculatum 320 7 2 ~ 0 ★ 🗗 🖾 🖾 26°C sg: 1.022 15 cm 200L



Pomadasys hasta 320 6-10 ♀ ~ • ○ 火 🚡 🖾 26°C sg: 1.022 40 cm 400L



Pomadasys furcatus 320 7-9 ♀ ◇ ▼ ♠ № № № № № 26°C sg: 1.022 50 cm 500L



Pomadasys corvinaeformis 320 2 ℃ へ ○ 火 🖻 🖾 26°C sg: 1.022 25 cm 300L



Scolopsis ghanam 325 9-10 ♀ ~ • • ♥ № □ 26°C sg: 1.022 25 cm 300L

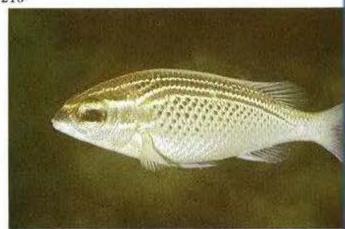


Plectorhinchus chaetodonoides (juv.) 320 7 2 ~ < € ♥ 1 26°C sg: 1.022 60 cm 600L



Plectorhinchus chaetodonoides 320 7 2 ~ ← ● ♥ 🖾 🖂 26°C sg: 1.022 60 cm 600L





Scolopsis ghanam 325 9-10 ♀ ~ • • ♥ ₩ □ 26°C sg: 1.022 25 cm 30



Plectorhinchus chaetodonoides 320 7 € ~ • • ♥ № □ 26°C sg: 1.022 60 cm 600L



Plectorhinchus flavomaculatus 320 7, 9-10 % ~ • ♥ ₩ 🖂 26°C sg: 1.022 60 cm 60



Plectorhinchus schotaf 320 7-9 ♀ ~ • • ♥ № 🖼 🗔 26°C sg: 1.022 60 cm 600



Plectorhinchus albovittatus 320 7, 9-10 ~ ~ € ▼ 🖾 🖂 26°C sg: 1.022 20 cm 200L



Plectorhinchus albovittatus (juv.) 320 7, 9-10 ~ √ ♥ ₩ □ 26°C sg: 1.022 20 cm 200L



Plectorhinchus flavomaculatus 320 7,9-10 ~ ~ 0 ♥ \$ □ 26°C sg: 1.022 60 cm 600L



Plectorhinchus multivittatus 320 7, 12 9 ~ • 0 V M = 26°C sg: 1.022 60 cm 600L



Plectorhinchus picus 320 7,9~~ • • ▼ 🖾 🗔 26°C sg: 1.022 60 cm 600L



Plectorhinchus chaetodonoides 320 7 2 ~ • • • ▼ 🖾 🗆 26°C sg: 1.022 60 cm 600L



Hapalogenys nigripinnis 320 5,7 ♀ ✓ 、 ○ ※ № □ 26°C sg: 1.022 60 cm 600L



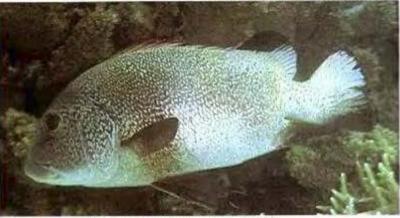
Hapalogenys mucronatus 320 5-7 ♀ ✓ • ● ★ 🍙 🗆 26°C sg: 1.022 30 cm 300L

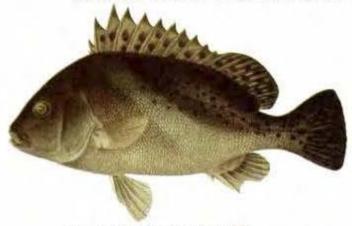


Plectorhinchus celebicus 320 7 → • • ★ □ 26°C sg: 1.022 50 cm 500L



Plectorhinchus diagrammus 320 7, 9 → • • • • □ 26°C sg: 1.022 50 cm 500L





Plectorhinchus cinctus 320 7, 9 → € ₩ 🖂 26°C sg: 1.022 60 cm 600L



Plectorhinchus goldmanni 320 6-7 ♀ ~ • ● ▼ ■ □ 26°C sg: 1.022 60 cm 600L



Plectorhinchus diagrammus 320 7,9 ∿ 5 € ₩ 🚾 26°C sg: 1.022 50 cm





Plectorhinchus sordidus 320 9-10 ~ ~ € ★ ☎ □ 26°C sg: 1.022 60 cm 600L

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Plectorhinchus gaterinus 320 9-10 ~ ~ € ♥ ﷺ 🗔 26°C sg: 1.022 60 cm 600L



Plectorhinchus lineatus 320 7,9 √ √ € ₩ 🗔 26°C sg: 1.022 35 cm 400L



Plectorhinchus picus 320 7, 9 ~ ↑ • ♥ 🖼 🖂 26°C sg: 1.022 60 cm 600L





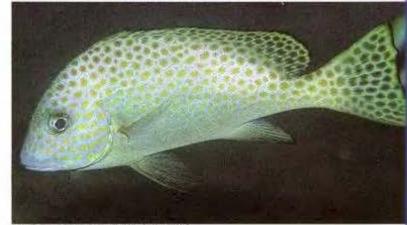
Plectorhinchus sordidus 320 9-10 ~ • • ▼ 🖾 🗆 26°C sg: 1.022 60 cm 600L



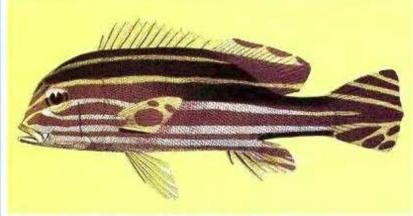
Plectorhinchus lineatus 320 7, 9 ~ • • • ★ № □ 26°C sg: 1.022 35 cm 400L



Plectorhinchus picus 320 7, 9 ~ ~ € ♥ 🖼 🗔 26°C sg: 1.022 60 cm 600L



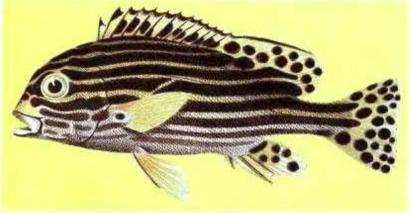
Plectorhinchus pictus 320 7, 9-10 ~ ~ • ▼ 🖼 🗔 26°C sg: 1.022 90 cm 1000L



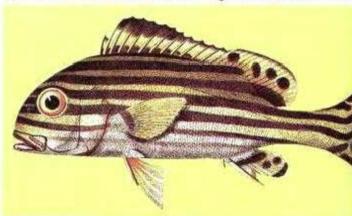
Plectorhinchus lineatus 320 7,9 ♀ ◇ → ● 火 🖪 🗆 26°C sg: 1.022 35 cm 400L



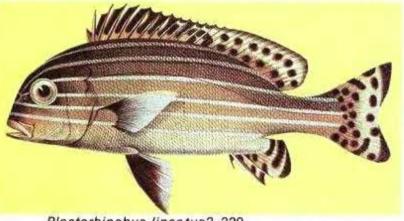
Plectorhinchus lineatus 320 7,9 ♀ ◇ 、 ○ 火 屆 □ 26°C sg: 1.022 35 cm 400L



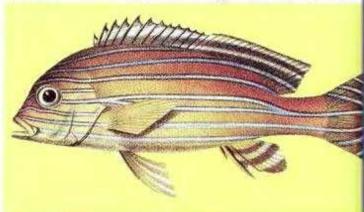
Plectorhinchus lineatus 320 7,9 ♀ ~ • • ★ 📠 🗔 26°C sg: 1.022 35 cm 400L



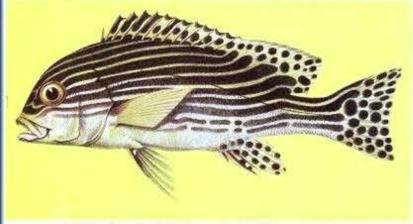
Plectorhinchus lineatus 320 7, 9 ⅔ ~ ~ 0 ★ 酷 🗔 26°C sg: 1.022 35 cm 400L



Plectorhinchus lineatus? 320 7, 9 ♀ ◇ ▼ ▼ ▼ ➡ □ 26°C sg: 1.022 35 cm 400L



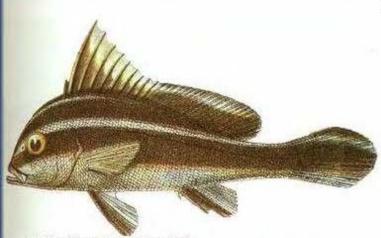
Plectorhinchus polytaenia 320 7,9 3 ~ ~ 0 ★ 🖬 🗔 26°C sg: 1.022 50 cm 500L



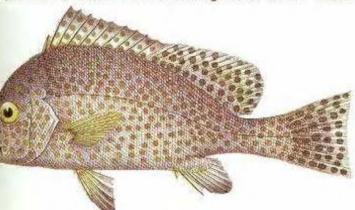
Plectorhinchus goldmanni? 320 6-7 ♀ ~ • • ★ 📠 🗆 26°C sg: 1.022 50 cm 500L



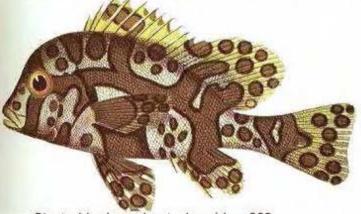
Plectorhinchus goldmanni 320 6-7 2 ~ ~ 0 火 屆 □ 26°C sg: 1.022 50 cm 500L



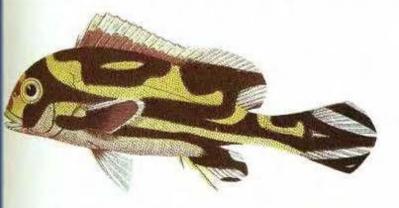
Plectorhinchus pictus 320 7,9-10 2 ~ 0 ★ 🖬 🗔 26°C sg: 1.022 90 cm 1000L



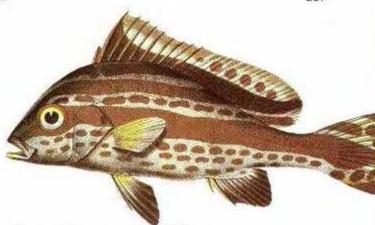
Plectorhinchus pictus 320 7,9-10 ♀ ◇ ▼ ♠ ➡ ⊒ 26°C sg: 1.022 90 cm 1000L



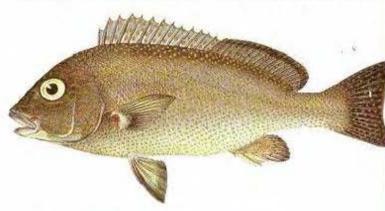
Plectorhinchus chaetodonoides 320 7 2 ~ 0 ★ 🖬 🗆 26°C sg: 1.022 60 cm 600L



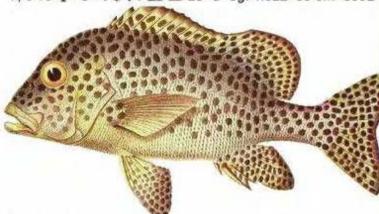
Plectorhinchus chaetodonoides 320 7 º ∼ • 0 火 🖬 🗆 26°C sg: 1.022 60 cm 600L



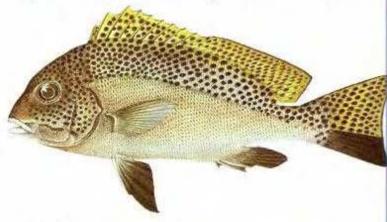
Plectorhinchus pictus 320 7, 9-10 ♀ ◇ → ○ 火 🖬 🗔 26°C sg: 1.022 90 cm 1000L



Plectorhinchus flavomaculatus 320 7, 9-10 ♀ ~ • ○ ★ 🖬 🖾 26°C sg: 1.022 60 cm 600L



Plectorhinchus chaetodonoides 320 7 2 ~ • • ★ 🖬 🗆 26°C sg: 1.022 60 cm 600L



Plectorhinchus picus 320 7,9 € ~ • • ★ 🖬 🗆 26°C sg: 1.022 60 cm 600L



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Inermia vittata 321 2 ~ ~ + ○ * ➡ ⊟ 26°C sg: 1.022 13 cm 150L



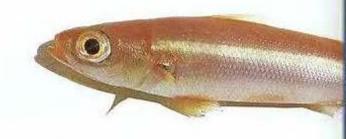
Spicara maena flexuosa 323 15 ~ ¬ ↑ • • ★ 🕟 🖽 26°C sg: 1.022 21 cm 200L



Boops salpa 322 13-15 ~ ↑ ↑ • ★ ★ ★ 〒 26°C sg: 1.022 45 cm 500L



Diplodus bermudensis 322 2 ~ ~ ↑ • ★ ★ ★ 〒 26°C sg: 1.022 30 cm 300L



Emmelichthyops ruber 315 2 ℃ ~ ↑ ↑ € ★ 🖬 🖽 26°C sg: 1.022 13 cm 150L



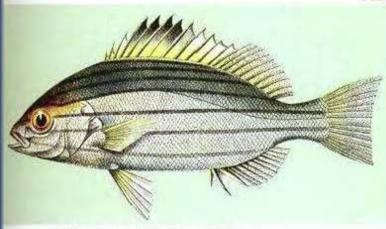
Diplodus puntazzo 322 13, 15 ~ ↑ ↑ ↑ ★ 🕞 🖽 🖽 26°C sg: 1.022 45 cm 500L



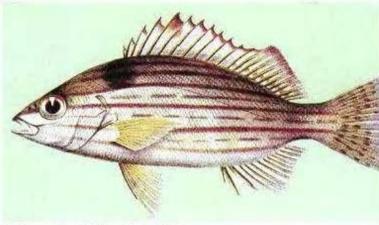
Lithognathus mormyrus 322 9-10, 15 ~ ↑ ↑ ↑ ★ 🕞 🖂 26°C sg: 1.022 55 cm 600L



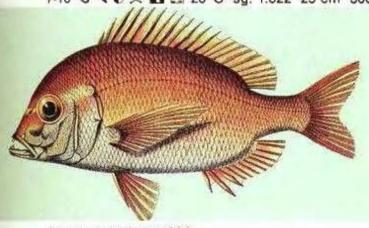
Diplodus vulgaris 322 13, 15 ~ ¬ ↑ 0 × 1 ⊟ 26°C sg: 1.022 30 cm 300L



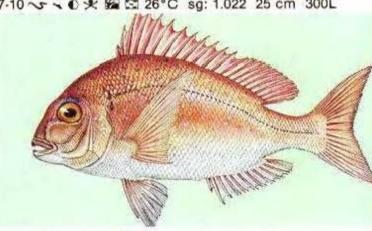
Pelates quadrilineatus 291 7-10 ◇ ◇ ① ★ 函 図 26°C sg: 1.022 25 cm 300L



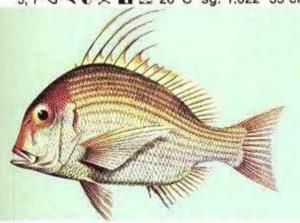
Pelates quadrilineatus 291 7-10 ◇ 、① 火 鑑 図 26°C sg: 1.022 25 cm 300L



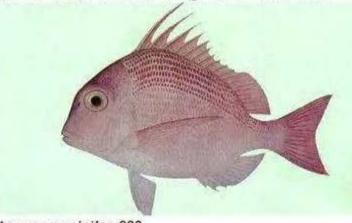
Dentex tumifrons 322 5,7 ~ 0 ★ 🖬 🖾 26°C sg: 1.022 35 cm 400L



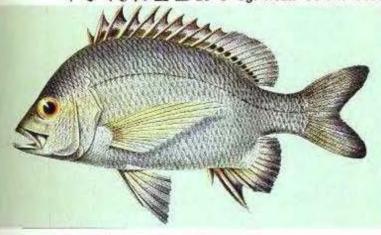
Evynnis japonica 322 5, 7 → • • ★ № 🖾 26°C sg: 1.022 45 cm 500L



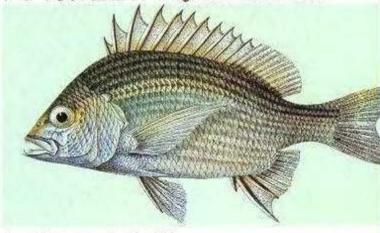
Argyrops bleekeri 322 7~~ • • ★ 🖬 🖾 26°C sg: 1.022 50 cm 500L



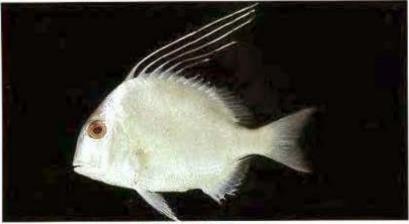
Argyrops spiniter 322 7~~○火糧区 26°C sg: 1.022 50 cm 500L



Acanthopagrus berda 322 7, 9-10 ◇ ↑ ① ★ [2] 26°C sg: 1.022 50 cm 500L



Acanthopagrus berda 322 7, 9-10 ◇ へ ① 火 區 図 26°C sg: 1.022 50 cm 500L



Argyrops bleekeri 322 7~ □ ★ 1 ★ 12 26°C sg: 1.022 50 cm 500L



Pagrus major 322 5, 7 > 5 → 1 × 1 = 26°C sg: 1.022 70 cm 800L



Pagrus auratus 322 7-8, 12 ~ 、 ○ 火 ☲ 26°C sg: 1.022 100 cm 1000L



Pagrus major 322 5, 7 → 1 ★ 1 ≥ 26°C sg: 1.022 70 cm 800L



Gymnocranius japonicus 324 6-7 ~ ~ ○ ★ 월 🖾 26°C sg: 1.022 50 cm 500L



Gymnocranius bitorquatus 322 7-8 ~ ↑ ↑ № № ⊠ 26°C sg: 1.022 41 cm 400L





Gymnocranius lethrinoides 322 6-7 ◇ → ♥ № 🖾 26°C sg: 1.022 50 cm 500L



Calamus bajonado 322 2 º ~ • € ★ 🖬 🖽 26°C sg: 1.022 60 cm 600L



Calamus pennatula 322 2 2 ~ • • • ★ 🖬 🗎 26°C sg: 1.022 35 cm 400L



Calamus calamus 322 29 ~ ~ 0 % m ⊞ 26°C sg: 1.022 41 cm 400L



Calamus nodosus 322 2 ℃ へ ① 火 面 ⊟ 26°C sg: 1.022 46 cm 500L



Calamus brachysomus 322 3 9 ~ ~ 0 ★ 🖬 🖽 26°C sg: 1.022 60 cm 600L



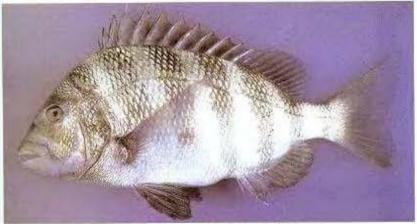
Pagrus pagrus 322 2, 13 ♀ ◇ ≺ ① 火 届 ⊟ 26°C sg: 1.022 90 cm 1000L





Evynnis cardinalis 322

7 ℃ √ 0 ★ 面 ⊟ 26°C sg: 1.022 40 cm 400L 5, 7 ℃ √ 0 ★ 面 ⊟ 26°C sg: 1.022 45 cm 500L



Archosargus probatocephalus 322 2 ℃ 、 ○ 火 🖬 🗆 26°C sg: 1.022 91 cm 1000L

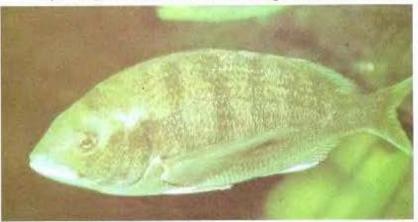




Acanthopagrus latus 322 7, 9-10 ♀ ~ • ● ★ 🖬 🗔 26°C sg: 1.022 50 cm 500L



Lagodon rhomboides 322 2 3 3 0 % 1 26°C sg: 1.022 35 cm 400L



Acanthopagrus schlegeli 322 5, 7 ♀ ∽ ↑ ♥ ★ 🖬 🗆 26°C sg: 1.022 50 cm 500L



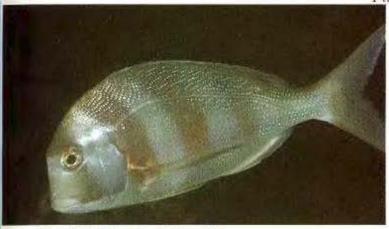
Acanthopagrus bifasciatus 322 9-10, 13 ♀ ~ • ○ ※ 📠 🗔 26°C sg: 1.022 50 cm 500



Rhabdosargus sarba 322 5, 7, 9-10 ♀ ~ ~ ○ ★ 🚡 🗆 26°C sg: 1.022 46 cm 500L



Acanthopagrus australis 322 6-7 ♀ ▽ ¬ ○ ※ 🗗 🗔 26°C sg: 1.022 55 cm 600L



Chrysoblephus anglicus 322 9 ♀ ▼ → € ※ ﷺ 🖾 26°C sg: 1.022 100 cm 1000L



Diplodus sargus 322 14-15 ~ ↑ ↑ ↑ ★ 1 ★ 15 26°C sg: 1.022 40 cm 400L



Rhabdosargus thorpei 322 9 ◇ → ① 火 屋 図 26°C sg: 1.022 40 cm 400L



Monotaxis grandoculus 324 7, 9-10 ~ • € № № № 26°C sg: 1.022 45 cm 500L



Diplodus cervinus 322 13-15 ~ • • ♥ ※ № 2 26°C sg: 1.022 55 cm 600L



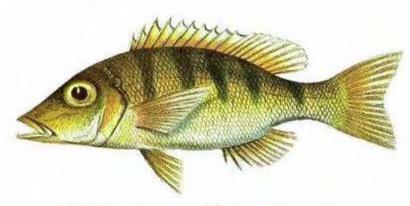
Porcostoma dentata 322 9 ~ 、 ① 火 鑑 ☲ 26°C sg: 1.022 30 cm 300L



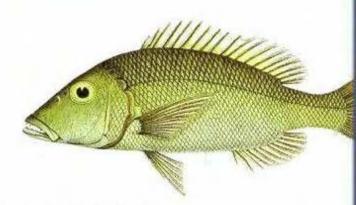
Gymnocranius griseus 324 5, 7, 9 ⋄ ⋄ ♥ № № № 26°C sg: 1.022 50 cm 500L

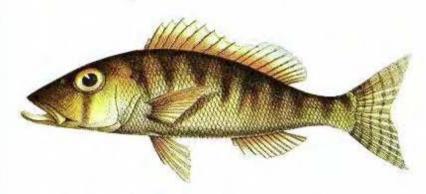


Monotaxis grandoculis 324 7, 9-10 ~ < € ※ № 🖾 26°C sg: 1.022 45 cm 500L

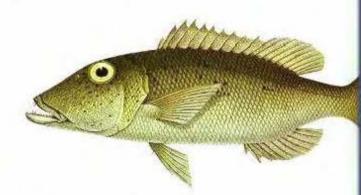


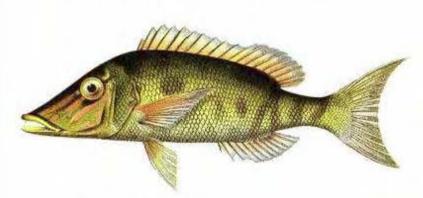
Lethrinus crocineus 324 7-9 ◇ → ① 火 區 匝 26°C sg: 1.022 60 cm 600L



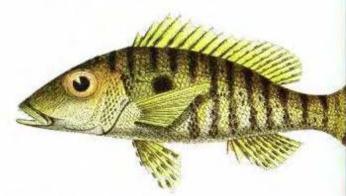


Lethrinus variegatus 324 6-9 ~ 、 ○ 火 區 ☲ 26°C sg: 1.022 60 cm 600L

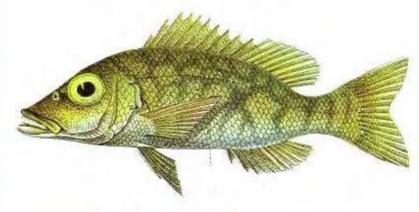




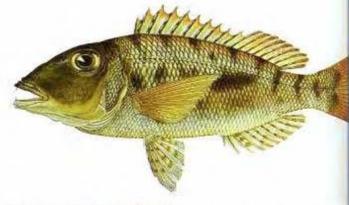
Lethrinus rostratus 324 7 ~ ~ ① ★ 隆 🖾 26°C sg: 1.022 60 cm 600L



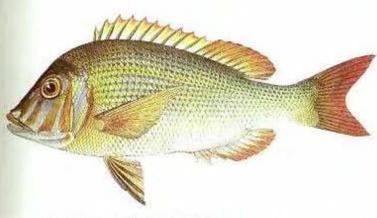
Lethrinus amboinensis 324 6-7 ~ 、 ○ 火 編 区 26°C sg: 1.022 70 cm 800L



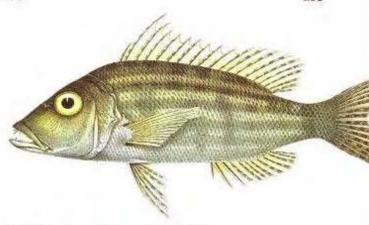
Lethrinus reticulatus 324 7-8 ~ • ○ 火 ☲ 26°C sg: 1.022 40 cm 400L



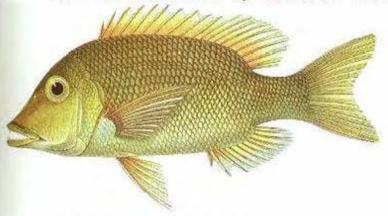
Lethrinus variegatus? 324 6-9 ~ → • • ★ ﷺ 🖾 26°C sg: 1.022 60 cm 600L



Lethrinus nebulosus 324 7-10 ~ • ○ 火 圙 ৷ 26°C sg: 1.022 90 cm 1000L



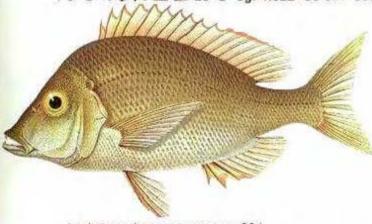
Lethrinus nematacanthus 324 7 ◇ 、 ① 火 霾 閏 26°C sg: 1.022 25 cm 300L



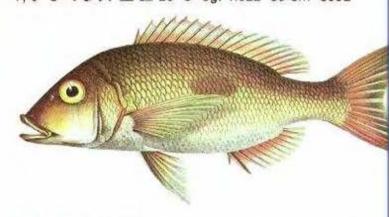
Lethrinus hypselopterus 324 7-9 ✓ 🕻 🛠 🖾 🗠 26°C sg: 1.022 50 cm 500L



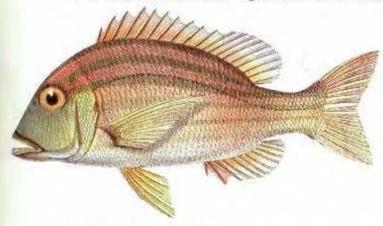
Lethrinus kallopterus 324 7,9 ~ • • ★ № 至 26°C sg: 1.022 80 cm 800L



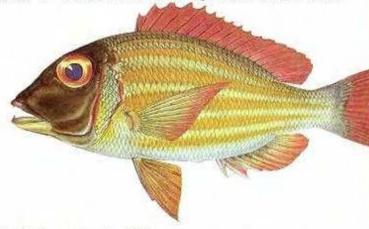
Lethrinus haematopterus 324 7 ♥ ♥ ♥ 隆 図 26°C sg: 1.022 45 cm 500L



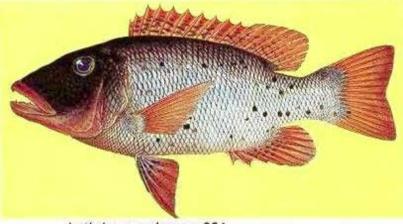
Lethrinus harak 324 6-10 ~ 、 ① 火 隆 ☲ 26°C sg: 1.022 60 cm 600L



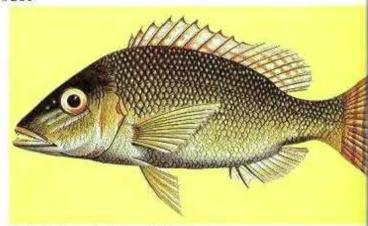
Lethrinus ornatus 324 7 ~ • • • ★ № № № № 26°C sg: 1.022 45 cm 500L

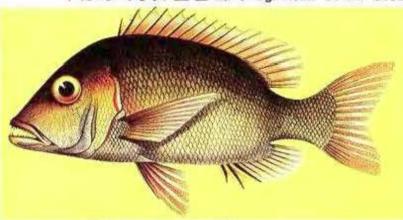


Lethrinus ornatus 324 7 ~ • ○ ★ 월 🖾 26°C sg: 1.022 45 cm 500L

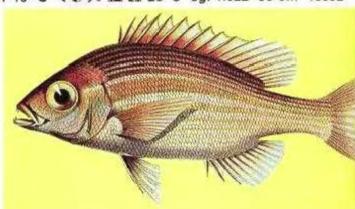


Lethrinus mahsena 324 7-10 ◇ 、 ① 火 圙 ☲ 26°C sg: 1.022 50 cm 500L

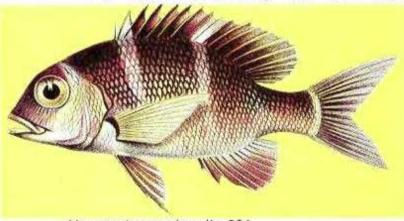


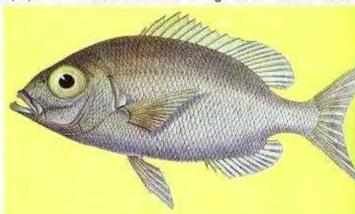


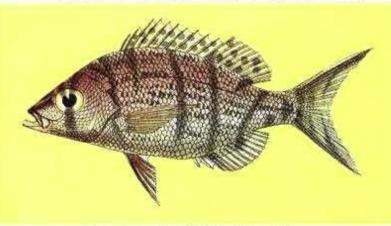
Lethrinus ornatus 324 7 ~ 、 ① 火 圙 ☲ 26°C sg: 1.022 45 cm 500L

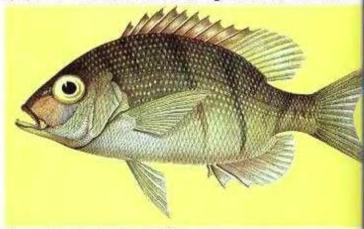


Gnathodentex aurolineatus 324 5, 7, 9 ~ ~ ○ * \$\overline{\overlin









Gymnocranius lethrinoides 324

7 → 1 ● ★ 幅 🖾 26°C sg: 1.022 50 cm 500L

Gymnocranius griseus 324

5, 7, 9 → 1 ● ★ 幅 🖾 26°C sg: 1.022 50 cm 500L



Lethrinus nebulosus 324 5,7,9-10~~ ○火屋匠 26°C sg: 1.022 100 cm 1000L



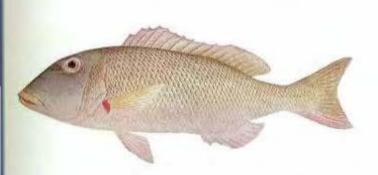
Lethrinus ramak 324 7-9 ◇ → ① 米 鹽 図 26°C sg: 1.022 60 cm 600L



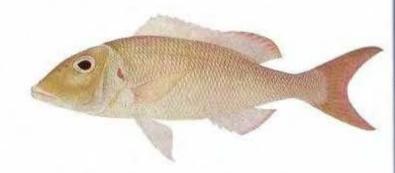
Lethrinus lentjan 324 6-10 ~ · ○ 火 屋 団 26°C sg: 1.022 50 cm 500L



Lethrinus mahsena? 324 7-10 ~ ~ ○ ★ № 🖾 26°C sg: 1.022 50 cm 500L



Lethrinus xanthochilus 324 7-10 ~ ~ ① 火 霾 ☲ 26°C sg: 1.022 80 cm 800L



Lethrinus rubrioperculatus 324 5, 7, 9 → • • ★ ﷺ 🖾 26°C sg: 1.022 60 cm 600L





Lethrinus hypselopterus 324
7.9 ◇ 🔩 🖸 🖸 26°C sg: 1.022 50 cm 500L 7,9-10 ◇ 🔩 😉 🖾 26°C sg: 1.022 100 cm 1000L

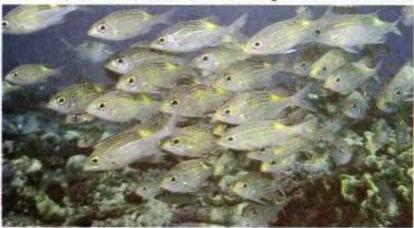


Lethrinus chrysostomus 324 7-8 ~ ~ ○ * ﷺ 🖾 🖾 26°C sg: 1.022 91 cm 1000L





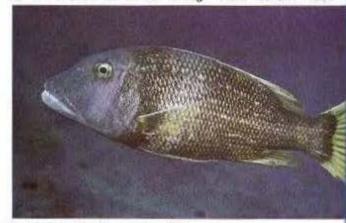
Lethrinus variegatus 324 5, 7, 9 ~ ~ € № № № № 1.022 60 cm 600L



Gnathodentex aurolineatus 324 5, 7, 9 ~ • € № 🖾 🖾 26°C sg: 1.022 45 cm 500L



Lethrinus enigmaticus 324 9 ~ ~ ○ ※ ★ 🖾 🖾 26°C sg: 1.022 40 cm 400L



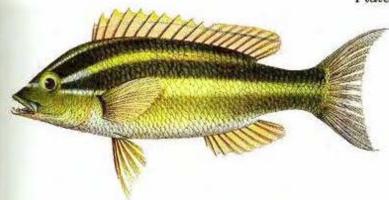
Lethrinus kallopterus 324 7,9 ~ 、 ○ 火 歸 ☲ 26°C sg: 1.022 80 cm 800L



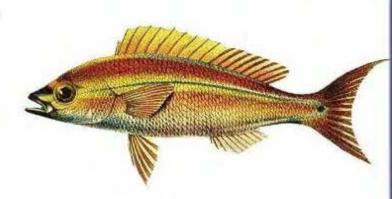
Lethrinus variegatus 324 5, 7, 9 ~ ~ 0 ★ 🖾 🖾 26°C sg: 1.022 60 cm 60



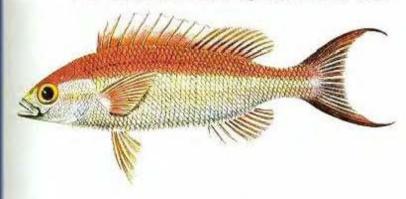
Gnathodentex aurolineatus 324 5, 7, 9 → 1 ★ 1 26°C sg: 1.022 45 cm 50



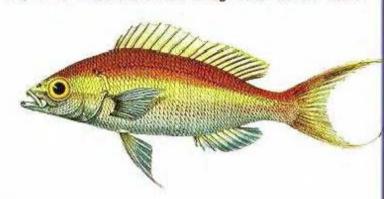
Pentapodus caninus 325 7 ~ • • • ★ 🖼 🖾 26°C sg: 1.022 28 cm 300L



Pentapodus setosus 325 7-8, 12 ◇ 、 ○ 火 歸 閏 26°C sg: 1.022 35 cm 400L



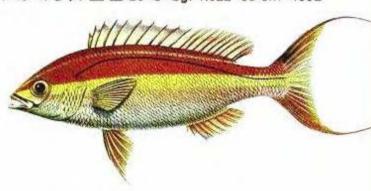
Pentapodus microdon 325 7 ~ 、 ○ 火 區 四 26°C sg: 1.022 20 cm 200L



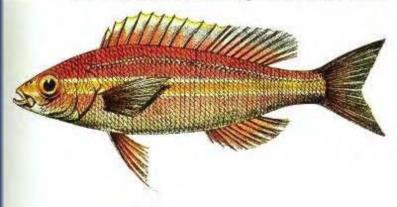
Pentapodus macrurus 325 7 ~ 、 ○ 火 ‰ 26°C sg: 1.022 35 cm 400L



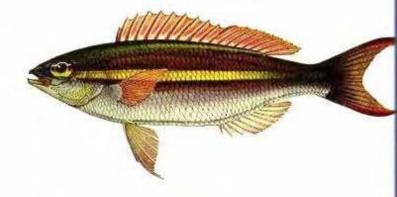
Pentapodus nemurus 325 7~ 4 0 火 粒 図 26°C sg: 1.022 46 cm 500L



Pentapodus nemurus 325 7~ 、 ○ 火 鹽 🖾 26°C sg: 1.022 46 cm 500L



Pentapodus hellmuthi 325 7 ~ ~ € ※ 26°C sg: 1.022 20 cm 200L



Pentapodus sp. 325 7 ~ • € 🛠 🖼 🖾 26°C sg: 1.022 35 cm 400L



Pentapodus caninus 325 7 ~ • • ★ 🖾 26°C sg: 1.022 28 cm 300L

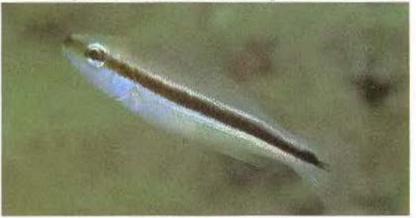




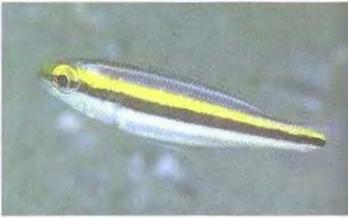
Pentapodus vitta 325 7-8, 12 ◇ ¬ ◆ 大 短 区 26°C sg: 1.022 14 cm 150L



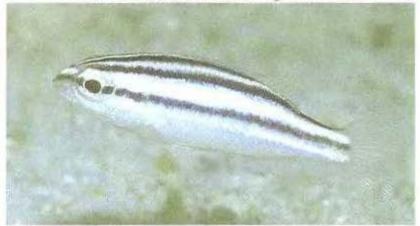
Pentapodus porosus 325 7 > 0 ★ 26°C sg: 1.022 25 cm 300L



Pentapodus sp. 325 7-8 ~ ~ € ★ 15 26°C sg: 1.022 25 cm 300L



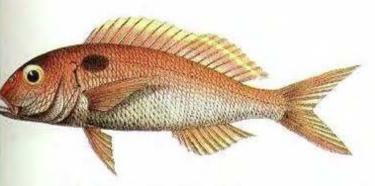
Pentapodus setosus 325 7-8, 12 ~ ~ ○ ★ 12 26°C sg: 1,022 35 cm 400L



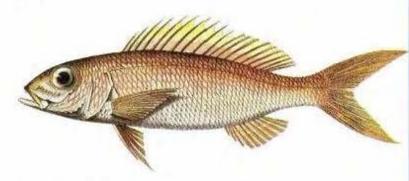
Pentapodus sp. 325 8 ~ ~ ○ * 1.022 20 cm 200L

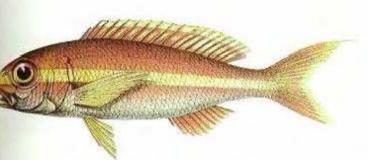


Pentapodus sp. 325 7 ~ ~ ○ * ﷺ 🖾 26°C sg: 1.022 20 cm 200L

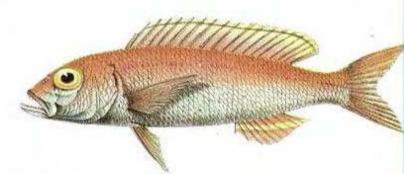


Nemipterus upeneoides 325 7-8 ~ • ▼ • □ 26°C sg: 1.022 16 cm 200L

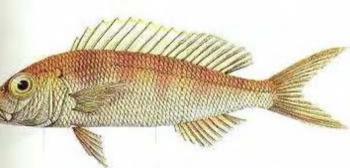




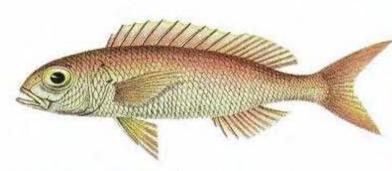
Nemipterus balinensis 325 7 ♥ € ♥ 🖬 🖾 26°C sg: 1.022 15 cm 200L



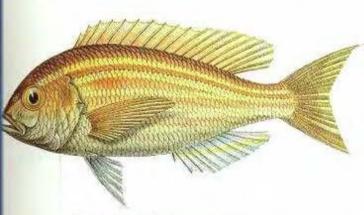
Nemipterus zysron 325 7 ~ € ♦ 15 🖾 26°C sg: 1.022 17 cm 200L



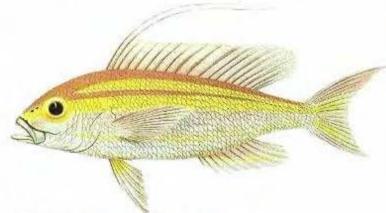
Nemipterus ovenii 325 7 ~ € ♥ 🖬 🖾 26°C sg: 1.022 19 cm 200L

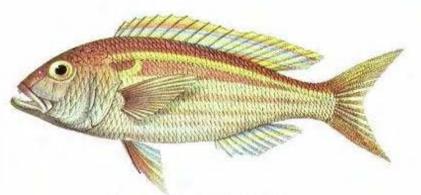


Nemipterus metopias 325 7 ❤ € ▼ 🗗 🖾 26°C sg: 1.022 25 cm 300L

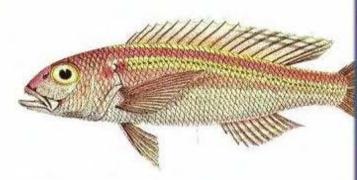


Nemipterus japonicus 325 7 ~ € ♥ 🖬 🖾 26°C sg: 1.022 30 cm 300L

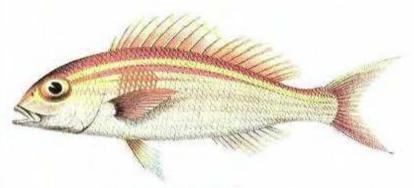




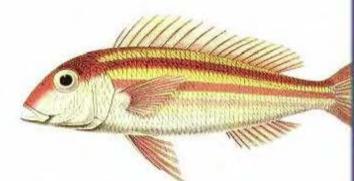
Nemipterus hexodon 325 7 ~ € ♥ ■ 🖾 26°C sg: 1.022 30 cm 300L



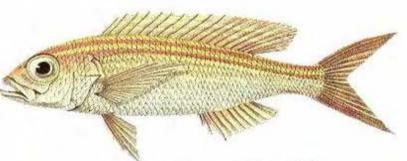
Nemipterus mesoprion 325 7, 9 ~ € ▼ 🕞 🖾 26°C sg: 1.022 20 cm 200L

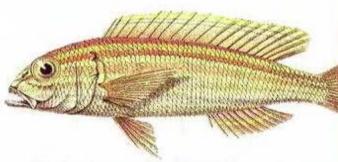


Nemipterus tolu 325 7,9 → ① ♥ ★ 🖾 26°C sg: 1.022 30 cm 300L

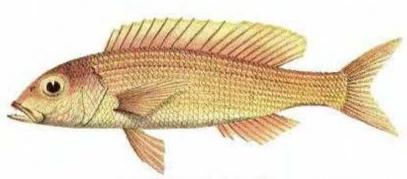


Nemipterus peronii 325 7, 9, 10 ~ € ♥ 🖪 🖾 26°C sg: 1.022 25 cm

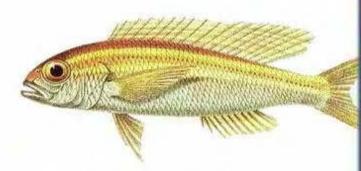




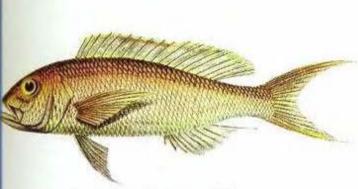
Nemipterus tambuloides 325 7 > € ▼ To 🖾 26°C sg: 1.022 30 cm 300L



Nemipterus gracilis 325 7 ❖ ① ♥ ➡ ত 26°C sg: 1.022 18 cm 200L

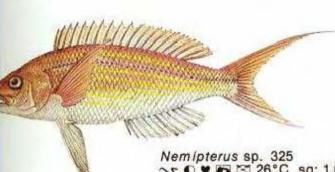


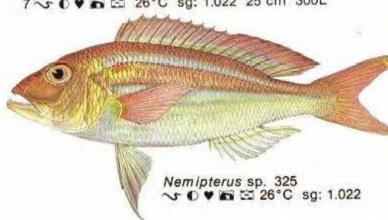
Nemipterus marginatus 325 7 ~ € ♥ ➡ 🖾 26°C sg: 1.022 30 cm 300L



Nemipterus hexodon 325 7 ~ • • ▼ 🖬 🖾 26°C sg: 1.022 30 cm 300L

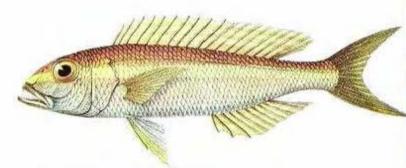








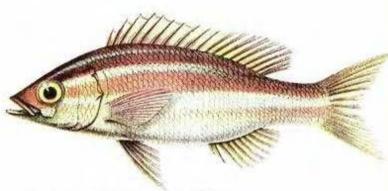
Nemipterus nemurus 325 7 ~ • • ▼ 📠 🖾 26°C sg: 1.022 25 cm 300L



Nemipterus celebicus 325 7 ~ € ♥ 🖬 🖾 26°C sg: 1.022 20 cm 200L



Pentapodus caninus (juv.) 325 7, 9 → 0 ♥ In 🖾 26°C sg: 1.022 28 cm 300L



Pentapodus bifasciatus 325 7 ♥ ■ □ 26°C sg: 1.022 20 cm 200L



Scolopsis margaritifera 325 7 → • • ★ 🖼 🖾 26°C sg: 1.022 25 cm 300L



Scolopsis margaritifera 325 7 ~ • • ★ № № 26°C sg: 1.022 25 cm 300L



Nemipterus virgatus 325 7,9 ❤ € ♥ 🛱 🖾 26°C sg: 1.022 30 cm 300L



Nemipterus hexodon 325 7 ~ € ♥ 📾 🖾 26°C sg: 1.022 30 cm 300L



Equetus acuminatus 326 2 ♀ ◆ ● ❤ 🏣 🖂 26°C sg: 1.022 23 cm 300L



Equetus acuminatus 326 2 2 5 € ₩ 🖼 🗔 26°C sg: 1.022 23 cm 300L



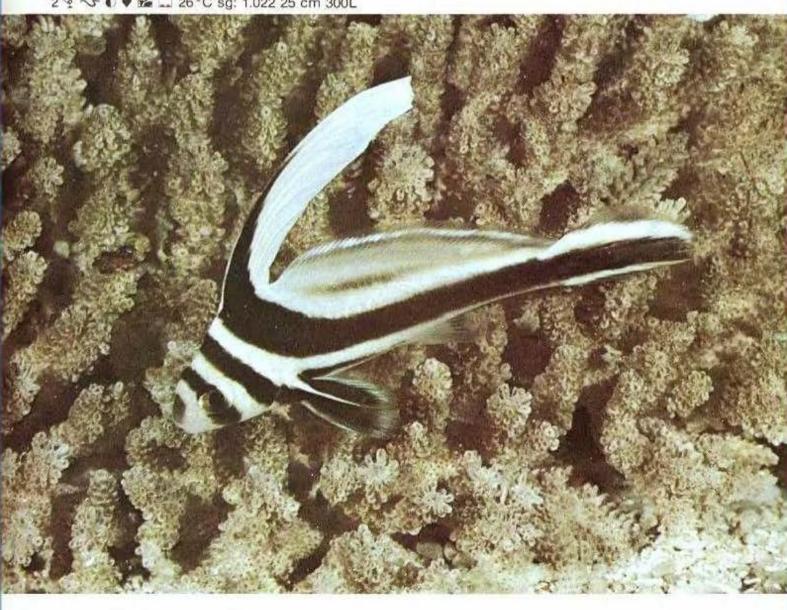
Equetus acuminatus 326
2 → • • ■ □ 26°C sg: 1.022 23 cm 300L 2 → • • ■ □ 26°C sg: 1.022 25 cm 300L



#242A



Equetus punctatus 326 2 2 ~ • • ■ □ 26°C sg: 1.022 25 cm 300L





Equetus lanceolatus 326 2 2 ~ € ♥ 🖾 🖂 26°C sg: 1.022 25 cm 300L



Equetus punctatus 326 2 2 ~ € ♥ 🖼 🗔 26°C sg: 1.022 25 cm 300L



Equetus viola 326 3 2 ~ 0 ♥ \$ □ 26°C sg: 1.022 25 cm 300L



Equetus punctatus 326 2 ♀ ◇ ♥ ♥ ☐ 26°C sg: 1.022 25 cm 300L 3 ♀ ◇ ♥ ♥ ☐ 26°C sg: 1.022 25 cm 300L



Equetus lanceolatus (juv.) 326 2 ♀ ◆ ♥ ♥ 🖾 🗔 26°C sg: 1.022 25 cm 300L

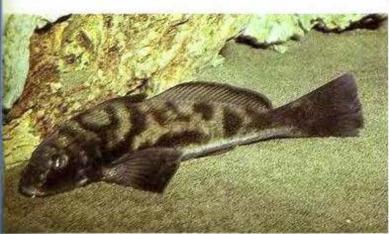


Equetus punctatus 326 2 2 ~ ○ ▼ 😭 🗆 26°C sg: 1.022 25 cm 300L



Equetus viola 326 3 4 ~ € ♥ 🖾 🗔 26°C sg: 1.022 25 cm 300L

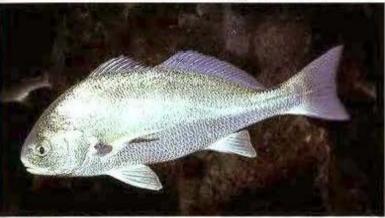




Menticirrhus undulatus 326 3 ~ € ♥ 🚾 🗔 26°C sg: 1.022 71 cm 800L



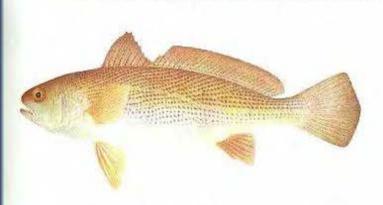
Umbrina roncador 326 3 ~ € • □ □ □ 26°C sg: 1.022 51 cm 500L



Roncador stearnsi 326 3 ~ € ♥ ➡ ➡ 26°C sg: 1.022 69 cm 800L



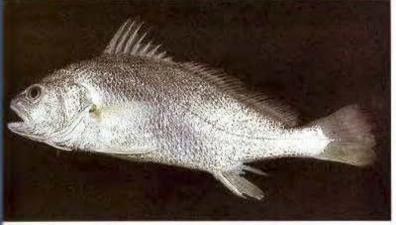
Genyonemus lineatus 326 3 ~ € ♥ 🖾 🗔 26°C sg: 1.022 41 cm 400L

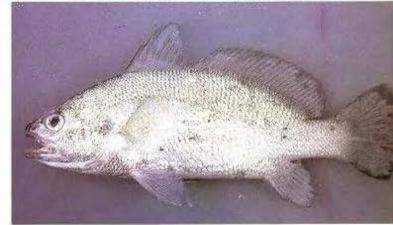


Nibea mitsukurii 326 7 ♥ € ♥ ➡ □ 26°C sg: 1.022 75 cm 800L



Odontoscion dentex 326 2 ~ € ♥ ➡ □ 26°C sg: 1.022 20 cm 200L





Bairdiella batabana 326 2 ~ € ♥ ➡ 🖾 🖾 26°C sg: 1.022 20 cm 200L



Parupeneus atrocingulatus 327 6-7 ﴿ ◇ • • ♥ ☐ 26 °C sg: 1.022 25 cm 300L

Upeneichthys porosus 327 8, 11-12 > € ♥ ➡ ➡ 26°C sg: 1.022 30 cm 300L

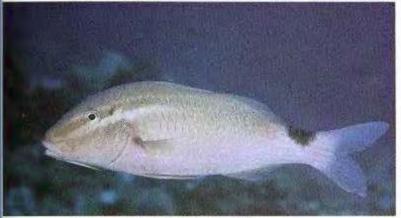


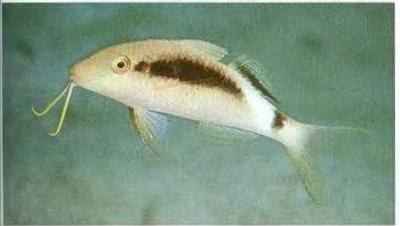


Plectorhinchus pictus 320 5,7,9-10 ~ • € ★ 🖼 🖾 26°C sg: 1.022 90 cm 1000L

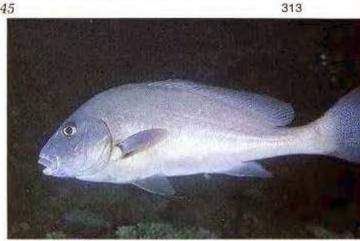


Pomadasys commersoni 320 9 ∼ • € ★ 🗔 26°C sg: 1.022 80 cm 800L





Parupeneus macronema 327 7 ~ 0 ♥ 🖾 🖾 26°C sg: 1.022 35 cm 400L



Plectorhinchus pictus 320 5, 7, 9-10 <> < € ★ ■ ⊠ 26°C sg: 1.022 90 cm 1000L



Pomadasys sp. 320 9 ~ • € ★ 🕞 🖾 26°C sg: 1.022 35 cm 400L



Parupeneus rubescens 327 7-10 ~ € ♥ 🗔 🖵 26°C sg: 1.022 42 cm 500L



Upeneus tragula 327 7, 9 ~ € ♥ 🚍 🖵 26°C sg: 1.022 25 cm 300L

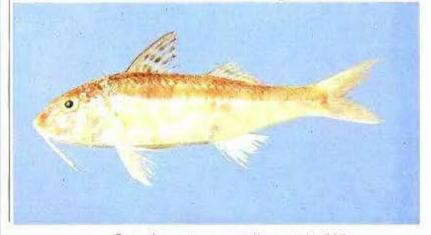


Upeneichthys lineatus 327 11-12 ~ € ▼ □ □ 23°C sg: 1.024 35 cm 400L



Upeneus bensasi 327 5, 7, 9 ~ • ▼ 🗔 🖵 26°C sg: 1.022 20 cm 200L





Pseudupeneus grandisquamis 327 3 ∼ € ♥ 🖾 🗔 26°C sg: 1.022 30 cm 300L



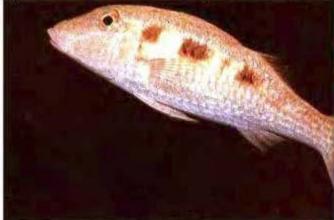
Upeneichthys porosus 327 11, 12 ~ ↑ ↑ ▼ ... □ 26°C sg: 1.022 25 cm 300L



Upeneus moluccensis 327 7,9 → € ♥ 🖾 🕮 26°C sg: 1.022 23 cm 300L



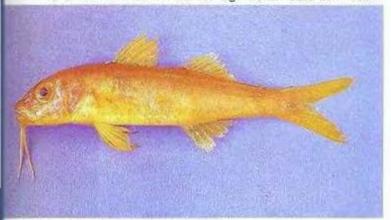
Upeneus vittatus 327 7, 9-10 ✓ • ▼ 🖾 🗔 26°C sg: 1.022 30 cm 300L



Pseudupeneus maculatus 327 2 ◆ ■ □ 26°C sg: 1.022 30 cm 300L



Mulloides dentatus 327 3 ℃ • • □ □ 26°C sg: 1.022 30.5 cm 400L



Mulloides pflugeri 327 7 ℃ • • □ □ 26°C sg: 1.022 30 cm 300L



Parupeneus multifasciata 327 7 2 ~ • • □ □ □ 26°C sg: 1.022 30 cm 300L



Pseudupeneus prayensis 327 13 ♀ ❖ ● ♥ ➡ ➡ 26°C sg: 1.022 21 cm 200L



Mulloides martinicus 327 2 2 ~ ● ♥ 🖃 🗀 26°C sg: 1.022 40 cm 400L



Mulloides flavolineatus 327 7-10 2 ~ ● ♥ 🖾 🖾 26°C sg: 1.022 40 cm 400L



Parupeneus atrocingulatus 327 6-7 2 ~ ● ♥ ➡ □ 26°C sg: 1.022 25 cm 300L



Parupeneus pleurostigma 327 6-10 ♀ ❖ ● ♥ ➡ ☲ 26°C sg: 1.022 25 cm 300L



Parupeneus atrocingulatus 327 6-7 ♀ ◇ • ♥ ➡ ➡ □ 26°C sg: 1.022 25 cm 300L



Parupeneus cinnabarinus 327 9-10 ♀ ◇ • ♥ ➡ ➡ 26°C sg: 1.022 28 cm 300L



Parupeneus forsskalii 327 9-10 2 ~ • ♥ ➡ ➡ 26°C sg: 1.022 28 cm 300L



Parupeneus indicus 327 5-7 ℃ ◆ ♥ ➡ □ 26°C sg: 1.022 40 cm 400L



Parupeneus chrysopleuron 327 7 ♀ ❖ ● ♥ □ 26°C sg: 1,022 30 cm 300L



Parupeneus cyclostomus 327 7-10 2 ~ ● ▼ 🖾 🖸 26°C sg: 1.022 50 cm 500L



Parupeneus pleurotaenia 327 6-7 3 ~ ● ♥ ➡ ➡ 26°C sg: 1.022 35 cm 300L





Mulloides vanicolensis 327 6-7, 9-10 ♀ ~ ● ♥ 🖾 🗆 26°C sg: 1.022 38 cm 400L



Parupeneus barberinus 327 7-10 ♀ ◇ ♥ ➡ ➡ 26°C sg: 1.022 50 cm 500L



Parupeneus cyclostomus 327 7, 9 ♀ ~ ● ♥ ➡ ➡ 26°C sg: 1.022 52 cm 500L



Mulloides vanicolensis 327 6-7, 9-10 ♀ ~ ● ♥ ➡ □ 26°C sg: 1.022 38 cm 400l

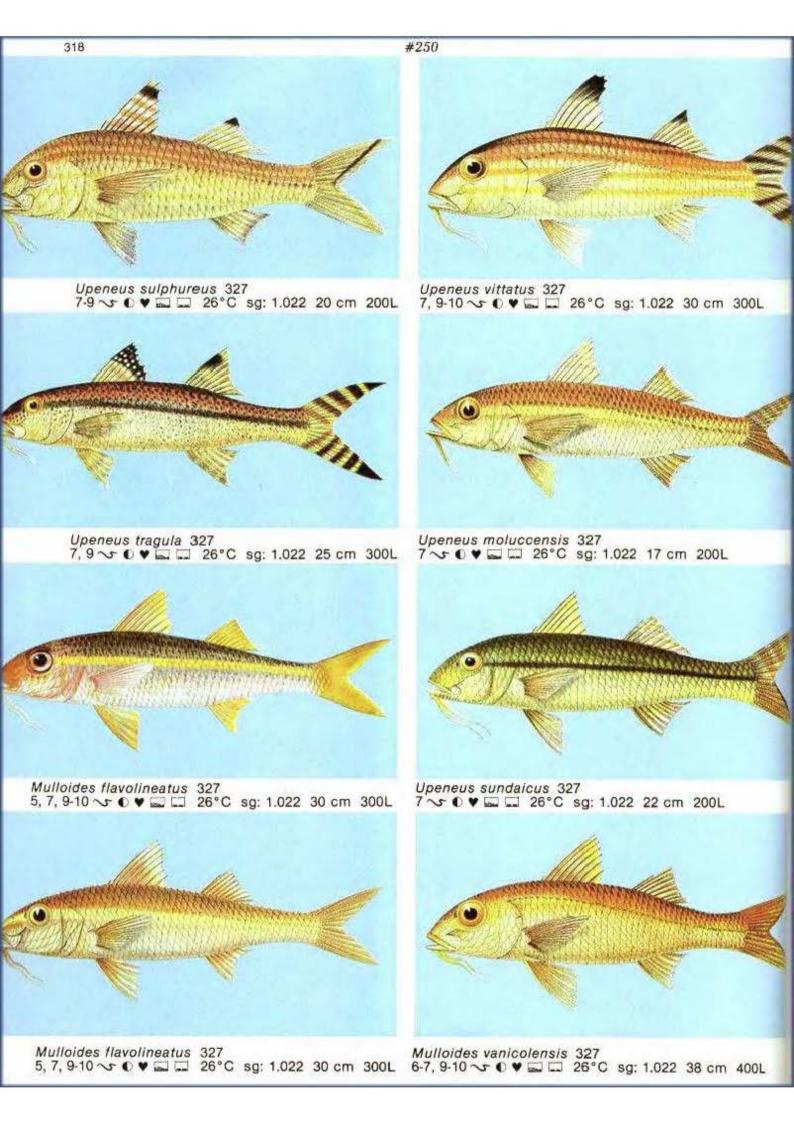


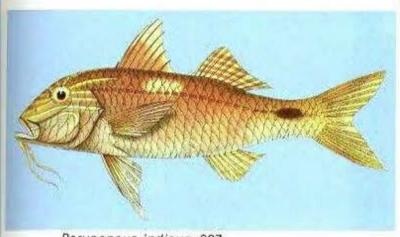


Parupeneus bifasciatus 327 7 ♀ ◆ ♥ ➡ □ 26°C sg: 1.022 40 cm 400L

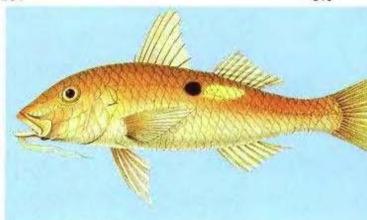


Parupeneus cyclostomus 327 7, 9 ½ ~ ● ♥ ➡ ➡ 26°C sg: 1.022 52 cm 500L

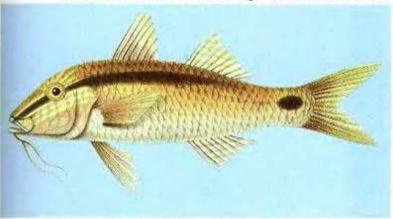




Parupeneus indicus 327 5-9 ♀ ▼ ● ♥ ➡ □ 26°C sg: 1.022 40 cm 400L



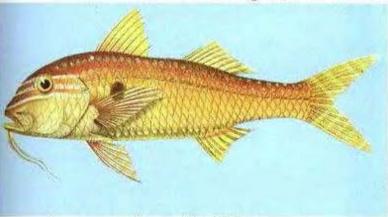
Parupeneus pleurostigma 327 6-10 ♀ ~ • ♥ ➡ ➡ 26°C sg: 1.022 25 cm 300L



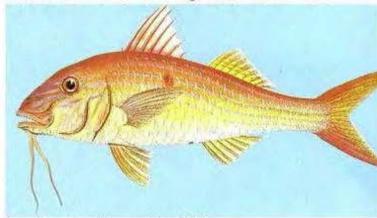
Parupeneus barberinus 327 7-10 ♀ ◇ ♥ ➡ ➡ 26°C sg: 1,022 50 cm 500L



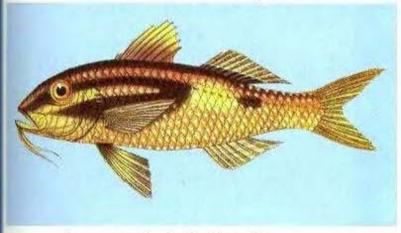
Parupeneus macronema 327 7 ⅔ ∿ ♥ ➡ ➡ 26°C sg: 1.022 35 cm 400L



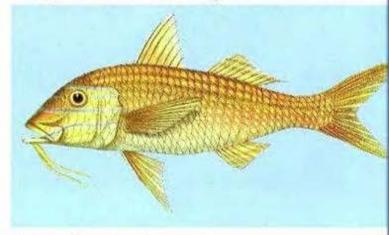
Parupeneus pleurospilus 327 7-10 2 ~ • • □ □ 26°C sg: 1.022 30 cm 300L



Parupeneus pleurospilus 327 7-10 ♀ ~ • ♥ ➡ ➡ 26°C sg: 1.022 30 cm 300L



Parupeneus barberinoides 327 6-7 2 ◇ ● ♥ ➡ ➡ 26°C sg: 1.022 25 cm 300L

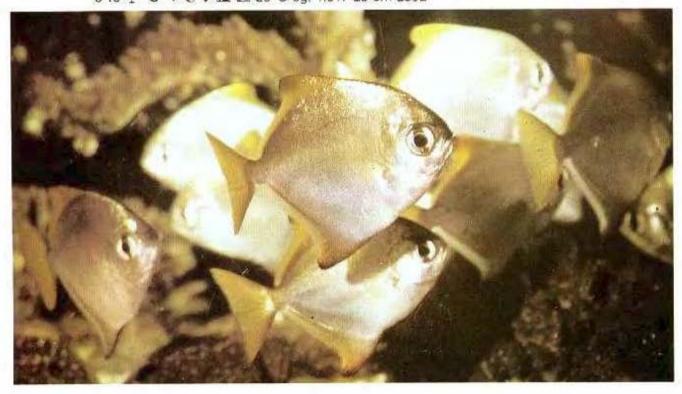


Parupeneus luteus 327 7 ♀ ◆ ● ♥ ➡ □ 26°C sg: 1.022 30 cm 300L

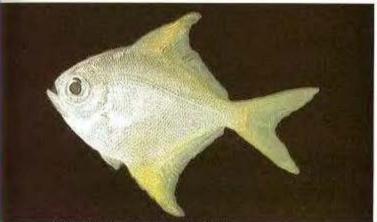


Monodactylus argenteus 328 6-10 ♀ ~ → ○ ♥ ☎ ☎ 26°C sg: 1.017 23 cm 250L

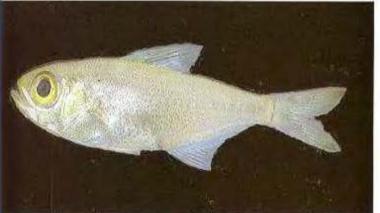
Monodactylus argenteus 328 6-10 ♀ ◆ ↑ ○ ♥ ☎ ☎ 26°C sg: 1.017 23 cm 250L



#252A 321



Schuettea woodwardi 328 12 ♀ ◇ ◐ ♥ 届 図 24°C sg: 1.023 6 cm 100L



Parapriacanthus unwini 329

12 № № № 24°C sg: 1.023 7 cm 100L

Monodactylus sebae 328

9 ९ ० + 0 ♥ № 22 26°C sg: 1.018 20 cm 200L

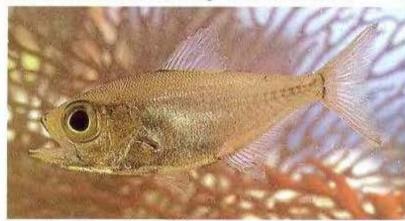


Pempheris oualensis 329 6-7, 9 ♀ ❤ 🕟 🖾 26 °C sg: 1.022 20 cm 200L

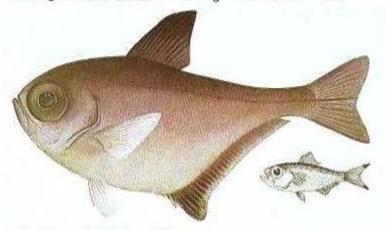


Pempheris analis 329 12 9 ~ 0 ♥ 6 5 24°C sg: 1.023 12 cm 100L





Parapriacanthus dispar 329 11-12 ♀ ◇ ▼ ♥ ♥ 🖾 🖾 23°C sg: 1.024 8 cm 100L



Pempheris japonica 329 5. 7 ♀ ◆ ♠ ☲ 26°C sg: 1.022 18 cm 200L



Pempheris multiradiata (juv.) 329 12 √ ↑ ♥ ♠ 🖾 23°C sg: 1.024 16 cm 80L



Pempheris adspersa 329 11-12 ♀ ▼ • ■ □ 23°C sg: 1.023 16 cm 80L



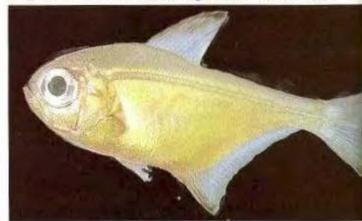
Pempheris cf japonicus 329 5, 7 2 ~ 0 ♥ ➡ ☒ 26°C sg: 1.022 18 cm 200L



Pempheris klunzinger 329
12 ℃ ♥ ♥ № № 26°C sg: 1.022 16 cm 200L



Pempheris schomburgki 329 2 ℃ € ▼ 🗈 🖾 25°C sg: 1.022 15 cm 200L



Pempheris analis 329 12 ℃ ♥ ♠ 🗠 24°C sg: 1.023 12 cm 100L



Pempheris compressa 329 12 ℃ ♥ ♥ 🖼 🖾 23°C sg: 1.022



Pempheris schwenki 329 7-9 ♀ ◇ ♥ ♥ ➡ 26°C sg: 1.022 15 cm 200L



Archamia mozambiquensis 297 9 2 ~ 1 € 1 26°C sg: 1.022 8 cm 800L

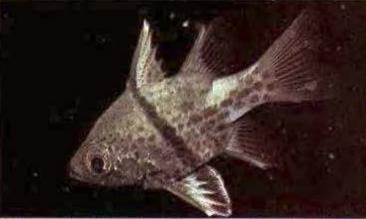




Pempheris vanicolensis 329 7 ℃ → 0 火 ‰ ﷺ 26°C sg: 1.022 20 cm 200L



Pempheris oualensis 329 6-7, 9 ℃ ~ ○ 火 幅 団 26°C sg: 1.022 30 cm 300L



Sphaeramia orbicularis 297 7-9 ♀ ~ • ● ♥ ﷺ 🖵 26°C sg: 1.022 12 cm 150L



Parapriacanthus ransonneti 329 5-10 ♀ ◇ ╮ ① ※ ☎ 26°C sg: 1.022 75 cm 800L



Pempheris vanicolensis 329 7 ♀ ∽ • ○ ★ 届 🖾 26°C sg: 1.022 20 cm 200L



Ambassis natalensis 329 9 ♀ ∽ ¬ • • ▼ ➡ □ 26°C sg: 1.022 9 cm 100L



Microcanthus strigatus 334 5-7 [©] ∼ ↑ C ♥ ₩ 🖾 26°C sg; 1.022 20 cm 200L



Atypichthys latus 334 11-12 ♀ ◇ € ♥ № 🖾 24°C sg: 1.023 13 cm 150L

Girella tricuspidatus 334 11 ∼ → € ♥ № № № 23°C sg: 1.022 50 cm 500L





Atypichthys strigatus 334 11-12 ♀ ◇ ○ ♥ № 🔄 23°C sg: 1,024 15 cm 200L



Atypichthys latus 334 11-12 ♀ ◇ ○ ♥ № ☑ 24°C sg: 1.023 13 cm 150L



Girella punctata 334 5, 7 € ~ 0 ♥ ₩ 🖂 24°C sg: 1.023 55 cm 600L



Girella nigricans 334 3 ℃ ~ ○ ♥ № 🖂 26°C sg: 1.022 66 cm 800L



Girella tephraeops 334 12 9 ~ C ♥ № 🖾 24°C sg; 1.023 15 cm 200L



Girella simplicidens 334 3 ℃ ○ ♥ 26°C sg: 1.022 46 cm 500L



Girella mezina 334 6-7 9 ~ 0 ♥ 9 🖾 🖾 25°C sg: 1.022 11 cm 100L



Hermosilla azurea 334 3 ℃ ℃ ♥ ☎ ☲ 26°C sg: 1.022 44 cm 500L



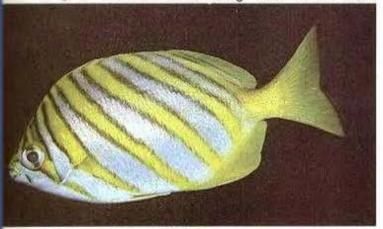
Tilodon sexfasciatum 334 12 9 + ~ € ♥ ➡ 🖾 23°C sg: 1.024 30 cm 300L



Kyphosus cornelii 334 12 ♀ ❖ ♦ € ♥ ☎ 🖾 23°C sg: 1.024 38 cm 400L



Girella zebra 334 12 ♀ ∿ ↑ € ♥ 🖬 🖾 23°C sg: 1.024 30 cm 300L



Neatypus obliquus 334 12 ♀ ◇ ↑ ● ♥ ➡ 🖾 23°C sg: 1.024 14 cm 150L



Tilodon sexfasciatum 334 12 2 ~ ↑ € ♥ 🖼 🖾 23°C sg: 1.024 30 cm 300L



Kyphosus sydneyanus 334 12 ♀ ~ ↑ ● ♥ 🖬 🖾 23°C sg: 1.024 80 cm 1000L



Microcanthus strigatus 334 5-7 ℃ ↑ ○ ♥ 🖼 🖾 26°C sg: 1.022 20 cm 200L



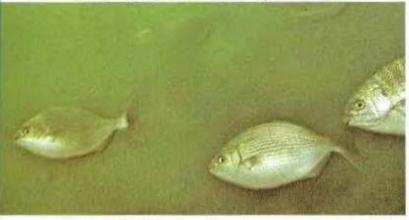
Scorpis georgianus 334 12 ♀ ❖ ❖ ♥ ➡ ☲ 23°C sg: 1.022 35 cm 400L



Medialuna californiensis 334 3 ▽ 、 ① 米 羅 図 26°C sg: 1.022 48 cm 500L



Scorpis aequipinnis 334 11 ~ ~ • • ★ 至 図 22°C sg: 1.024 40 cm 400L



Kyphosus analogus 334 3 ♀ ◇ ÷ € ★ 26°C sg: 1.022 45 cm 500L



Kyphosus elegans 334 2 2 → + 0 × 1 1 26°C sg: 1.022 38 cm 400L



Kyphosus sp. 334 2 ℃ ★ ① 米 26°C sg: 1.022 32 cm 300L



Kyphosus cinerascens (golden form) 334 7-10 全 → ◆ ① 米 歸 図 26°C sg: 1.022 50 cm 500L

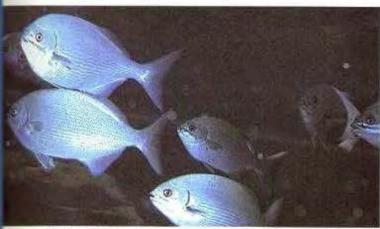


Kyphosus incisor 334 2 2 ~ + 0 ★ 🖾 26°C sg: 1.022 30 cm 300L



Kyphosus sectatrix 334 2 2 → + 0 × 1 26°C sg: 1.022 35 cm 800L

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Kyphosus fuscus 334 6 ℃ → ↑ ♥ № № № 26°C sg: 1.022 60 cm 600L



Kyphosus gibsoni 334 7 ⅔ ❖ ♣ ◐ ※ 26°C sg: 1.022 20 cm 200L



Kyphosus fuscus 334 6 € ~ + 0 ★ № 125°C sg: 1,022 60 cm 600L



Kyphosus sydneyanus 334 12 ♀ → → ● ▼ 🖾 🖾 23°C sg: 1.024 80 cm 1000L



Scatophagus argus 336 7,9 ℃ ↑ € ※ № № 26°C sg: 1.015 35 cm 400L



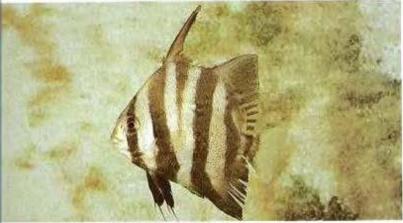
Scatophagus tetracanthus 336 7,9 ⅔ 🍑 🕆 🕩 😭 🖾 26°C sg: 1.022 40 cm 400L



Selenotoca multifasciata 336 7 2 ~ ↑ 0 % № 1 26°C sg: 1.015 40 cm 400L



Scatophagus argus 336 7,9 ♀ ~ + € ♥ № ☑ 26°C sg: 1.015 35 cm 400L



Chaetodipterus faber 335 1-2 2 ~ ↑ • • • ☐ ☐ 26°C sg: 1.022 91 cm 1000L



Chaetodipterus zonatus 335 3 º → • • • ■ □ 26°C sg: 1.022 65 cm 800L



Ephippus orbis 335 7,9 € ~ ↑ ● ♥ № 🖾 26°C sg: 1.022 25 cm 300L



Platax orbicularis 335 7-10 ♀ ◆ ↑ ♥ ♥ ☎ 🖾 26°C sg: 1.022 50 cm 500L



Chaetodipterus faber 335 1-2 2 ~ ↑ • • ■ 🖾 🖾 26°C sg: 1.022 91 cm 1000L



Drepane punctata 335 7, 9 ♀ ∿ ♦ € ♥ № № № 26°C sg: 1.022 40 cm 400L



Zabidius novemaculeatus 335 7-8 ♀ ∽ ♠ ♥ ♥ № № № № 26°C sg: 1.022 20 cm 200L



Platax pinnatus 335 7, 9-10 ♀ ~ + € ♥ № 区 26°C sg: 1.022 40 cm 400L





Platax pinnatus 335 7, 9-10 ♀ ◆ ♥ ★ ⊟ 26°C sg: 1.022 40 cm 500L



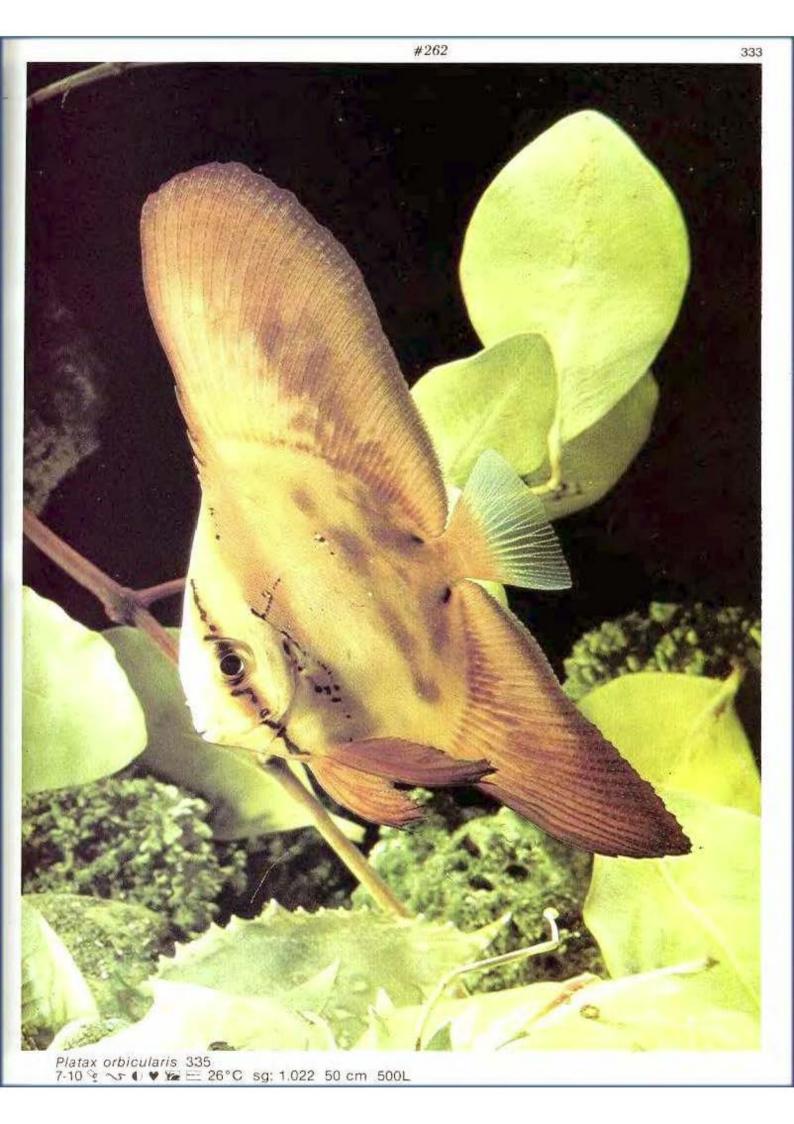
Platax batavianus 335 7-8 ♀ ❤ ◐ ♥ ➡ ☱ 26°C sg: 1.022 50 cm 600L



Platax pinnatus 335 7, 9-10 ♀ ◇ ♥ ▼ ➡ ⊟ 26°C sg: 1.022 40 cm 5000



Platax orbicularis 335 7-10 ♀ ◆ ● ▼ ➡ ⊟ 26°C sg: 1.022 50 cm 600L

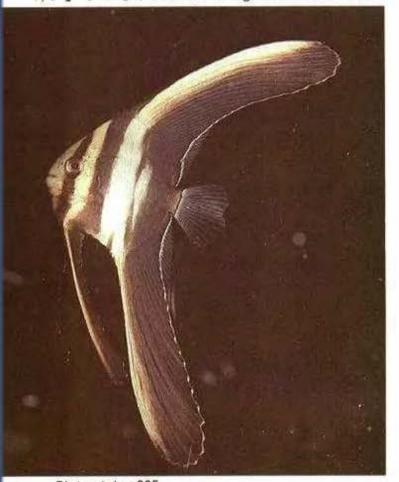




Enoplosus armatus 340 12 ♀ ◇ → ① ♥ № ☑ 23°C sg: 1.024 12 cm 150L



Drepane punctata 335 7, 9 ♀ ∽ ↑ € ♥ № № 26°C sg: 1.022 40 cm 400L



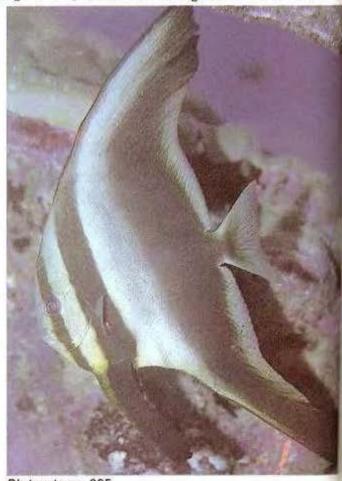
Platax teira 335 7-10 ♀ ∿ ♦ € ♥ № 🖾 26°C sg: 1.022 50 cm 500L



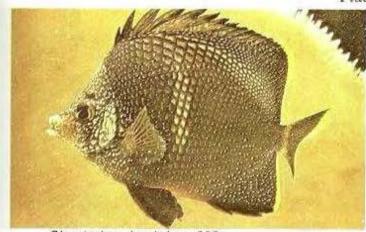
Pentaceropsis recurvirostris 341 12 ♀ ◇ ↑ € ♥ ☎ 🖾 23°C sg: 1.024 50 cm 500L



Platax teira 335 7-10 ♀ ~ + € ♥ ﷺ ☑ 26°C sg: 1.022 50 cm 500L



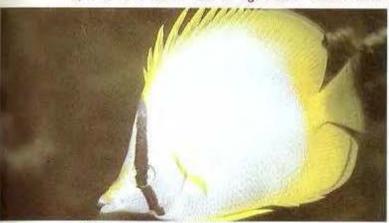
Platax teira 335 7-10 ♀ ~ + ○ ♥ ☎ 🖾 26°C sg: 1.022 50 cm 500



Chaetodon daedalma 338 5, 7 → 0 ♥ ﷺ 🖾 25°C sg: 1.022 15 cm 200L



Chaetodon quadrimaculatus 338 6 ~ C ♥ № ☑ Z 26°C sg: 1.022 15 cm 200L



Chaetodon ocellatus 338 2 ~ € • № № № 26°C sg: 1.022 19 cm 200L



Chaetodon robustus 338 13 > ○ • ■ □ 26°C sg: 1.022 15 cm 200L



Zanclistius elevatus 341 Pentaceros japonicus 341 11 ◇ € ♥ № 🖾 22°C sg: 1.022 30 cm 300L 7.8 ◇ € ♥ 🚾 🖾 26°C sg: 1.022 25 cm 300L





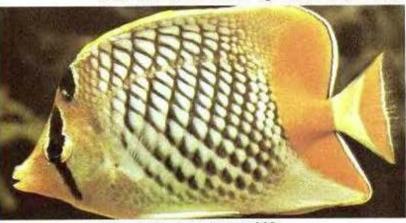




Chaetodon declevis 338 6 ~ 0 ♥ 1 26°C sg: 1.022 15 cm 200L



Chaetodon argentatus 338 7 ~ ○ ♥ № 2 26°C sg: 1.022 13 cm 200L



Chaetodon xanthurus 338 7 > 0 ♥ 1 26°C sg: 1.022 15 cm 200L



Chaetodon mertensii 338 6-8 → O ♥ 🚾 🖾 26°C sg: 1.022 14 cm 200L



Chaetodon trifascialis 338 6-10 → C ♥ № 전 26°C sg: 1.022 15 cm 200L



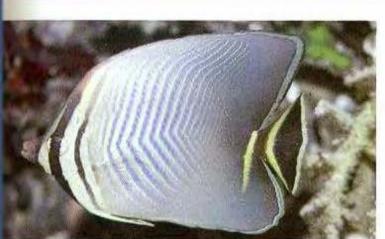
Chaetodon baronessa 338 6-8 → ○ ♥ ﷺ 🖾 26°C sg: 1.022 15 cm 200L



Chaetodon trifasciatus 338 6-10 → C ♥ 🖼 🖾 26°C sg: 1.022 17 cm 200L



Chaetodon reticulatus 338 6-7 ~ ○ ▼ 1 26°C sg: 1.022 18 cm 200L



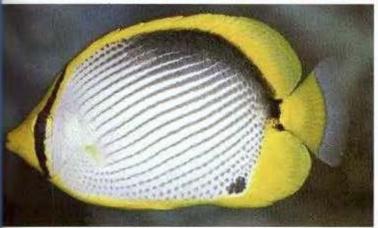
Chaetodon triangulum 338 9 → 0 ♥ 🖾 🖾 25°C sg: 1.022 14 cm 200L



Chaetodon leucopleura 338 9 → 0 ♥ \$ \overline{\text{\sigma}} \overline{\text{\sigma}} 26 °C sg; 1.022 19 cm 200L



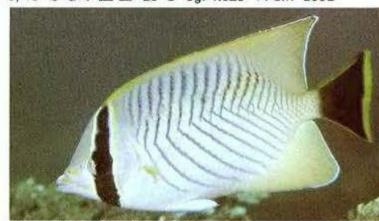
Chaetodon paucifasciatus 338 9-10 → C ♥ 🖾 🖾 26°C sg: 1.023 15 cm 200L



Chaetodon melannotus 338 6-10 ~ C ♥ № № 25 °C sg: 1.022 17 cm 200L



Chaetodon larvatus 338 9, 10 ~ ○ ♥ 26°C sg: 1.023 14 cm 200L



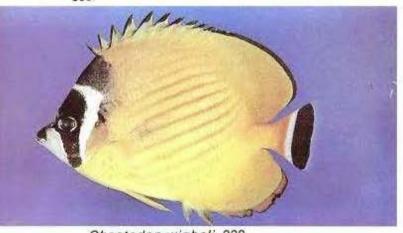
Chaetodon trifascialis 338 6-10 ○ ♥ 🖾 26°C sg: 1.022 15 cm 200L



Chaetodon madagascariensis 338 9 ∼ C ♥ ﷺ ☑ 26°C sg: 1.022 15 cm 200L



Chaetodon ocellicaudus 338 6-7, 9 ~ € ♥ № 5 26°C sg: 1.022 13 cm 200L



Chaetodon wiebeli 338 7 → 0 ♥ 🖾 🖾 26°C sg: 1.022 19 cm 200L

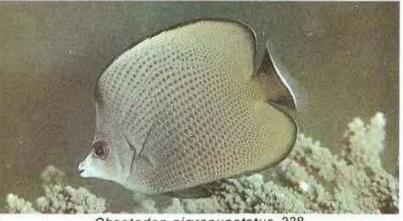


Chaetodon auripes 338 5, 7 → C ♥ № 15 26°C sg: 1.022 19 cm 200L





Chaetodon adiergastos 338 7 ~ ○ ♥ ﷺ 🖾 26°C sg: 1.022 19 cm 200L





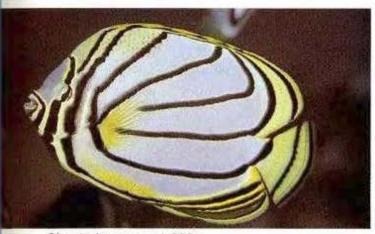
Chaetodon mesoleucos 338 10 ~ ○ ▼ \$\overline{\text{tall}} \overline{\text{tall}} \overline{\text{26°C}} \overline{\text{sg: 1.030}} \overline{\text{15 cm}} \overline{\text{200L}}



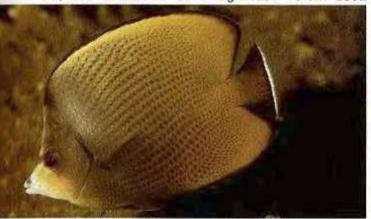
Chaetodon selene 338 7 ~ ○ ♥ ☑ ☲ 26°C sg: 1.022 18 cm 200L



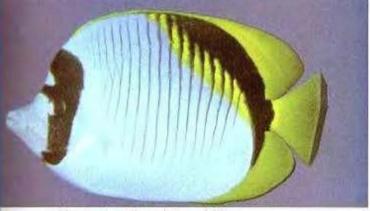
Chaetodon gardneri 338 9 ~ C ♥ № 🖾 26°C sg: 1.022 12 cm 200L



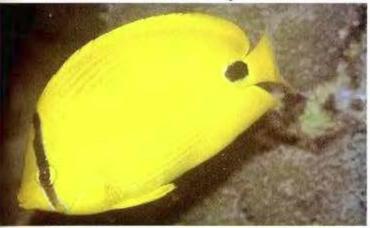
Chaetodon meyeri 338 6-7, 9 ∿ C ♥ ₩ 🖾 26°C sg: 1.022 18 cm 200L



Chaetodon nigropunctatus 338 9 ~ 0 ♥ № 🖾 26°C sg: 1.022 16 cm 200L



Chaetodon lineolatus 338 6-10 ~ ○ ♥ № 월 26°C sg: 1.022 29 cm 400L



Chaetodon plebelus 338 6-9 ~ ○ ♥ № 5 26°C sg: 1.022 19 cm 200L



Chaetodon ornatissimus 338 6-8 ~ C ♥ № № 26°C sg: 1.022 19 cm 200L



Chaetodon octofasciatus 338 7-9 → C ♥ № 전 26°C sg: 1.022 13 cm 200L



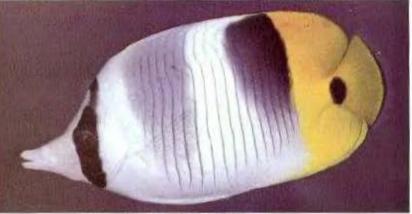
Chaetodon oxycephalus 338 7,9 ~ ○ ♥ ☎ ☎ 26°C sg: 1.022 22 cm 300L



Chaetodon plebeius 338 6-9 → C ♥ № 🖾 🖾 26°C sg: 1.022 19 cm 200L



Chaetodon aureofasciatus 338 7-8 ℃ ♥ ☎ ☲ 26°C sg: 1.022 14 cm 200L



Chaetodon ulietensis 338 6-8 ~ ○ ♥ 🖼 🖾 26°C sg: 1.022 17 cm 200L



Chaetodon fasciatus 338 10 ~ € ♥ № ☑ 26°C sg: 1.030 20 cm 200L



Chaetodon flavocoronatus 338 6 ~ ○ ♥ 🖼 🖾 26°C sg: 1.022 13 cm 200L



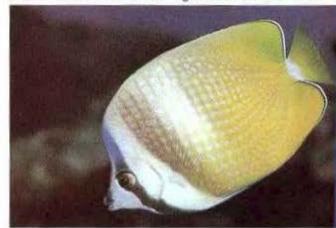
Chaetodon blackburnii 338 9 ~ C ♥ № E 26°C sg: 1.022 13 cm 200L



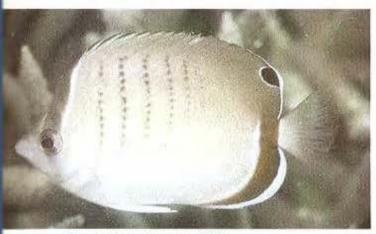
Chaetodon falcula 338 9 ~ € (♥ № 🖾 26°C sg: 1.022 29 cm 400L



Chaetodon lunula 338 6-9 ~ ○ ♥ 월 🖾 26° C sg: 1.022 21 cm 200L



Chaetodon kleini 338 6-10 → C ♥ 🖼 🖾 26°C sg: 1.022 15 cm 200L



Chaetodon assarius 338 7,12 € ♥ № № 22 26°C sg: 1,022 14 cm 200L



Chaetodon melapterus 338 9-10 → C ♥ 16 云 26°C sg: 1.022 14 cm 200L



Chaetodon bennetti 338 6-9 → ○ ★ 🖾 🖾 26°C sg: 1.022 15 cm 200L



Chaetodon citrinellus 338 6-9 → 0 ♥ № 1 26°C sg: 1.022 13 cm 200L



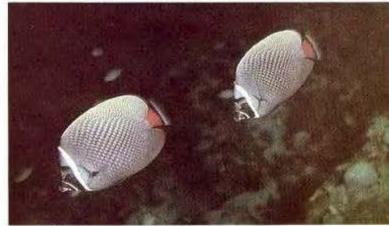
Chaetodon dolosus 338 9 ~ € V № 🖂 26°C sg: 1,022 14 cm 200L



Chaetodon austriacus 338 10 → (♥ 🖼 🖂 26°C sg: 1.030 16 cm 200L



Chaetodon trifasciatus 338 6-9 ~ ○ ▼ 🏗 🖾 26°C sg: 1.022 17 cm 200L



Chaetodon collare 338 7,9 ~ ○ ♥ № 🖾 🖂 26°C sg: 1.022 18 cm 200L



Chaetodon sedentarius 338 2 → C ♥ 15 = 26°C sg: 1.022 17 cm 200L



Chaetodon sanctaehelenae 338 13 ◇ C ♥ № 🖾 26°C sg: 1.022 18 cm 200L







Chaetodon litus 338 Easter Is. ~ C ♥ № 5 26°C sg: 1.022 15 cm 200L



Chaetodon hemichrysus 338 6 ~ C ♥ № 至 26°C sg: 1.022 19 cm 200L





Chaetodon pelewensis 338
6-7 → C ♥ № 至 26°C sg; 1.022 13 cm 200L
6 → C ♥ № 至 26°C sg; 1.022 15 cm 200L



Chaetodon rainfordi 338 8 ~ ○ ♥ ﷺ 🖾 26°C sg: 1.030 15 cm 200L



Chaetodon tricinctus 338 11, 12 → C ♥ 🚾 🖾 23°C sg: 1.022 20 cm 200L



Chaetodon striatus 338 2 2 0 ♥ 1 26°C sg: 1.022 14 cm 200L



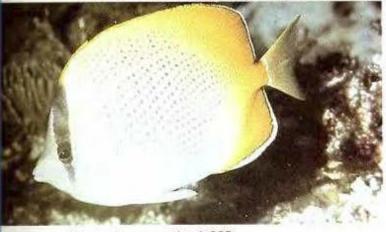
Chaetodon capistratus 338 2 € O ♥ 🖼 🖾 26°C sg: 1.022 13 cm 200L



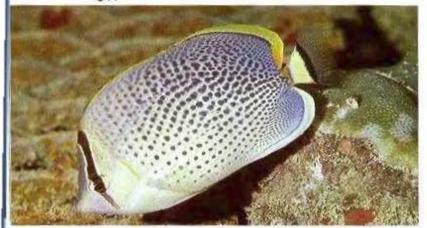
Chaetodon humeralis 338 3 ~ C ♥ № 🖾 26°C sg: 1.022 18 cm 200L



Chaetodon hoefleri 338 13 ~ C ♥ № 5 26°C sg: 1.022 18 cm 200L







Chaetodon guttatissimus 338 9-10 → C ♥ № № 22 26°C sg: 1.022 15 cm 200L



Chaetodon semilarvatus 338 10 → C ♥ 🖼 🖾 26°C sg: 1.030 19 cm 200L



Chaetodon speculum 338 7-8 ~ ○ ▼ 🖼 🖾 26°C sg: 1.022 16 cm 200L



Chaetodon decussatus 338 9 ~ C ♥ № № 26°C sg: 1.022 17 cm 200L



Chaetodon punctatofasciatus 338 6-7 ~ C ♥ 🖼 🖾 26°C sg: 1.022 13 cm 200L



Chaetodon semeion 338 6-7,9 € ★ 🖾 🗠 26°C sg: 1.022 22 cm 300L



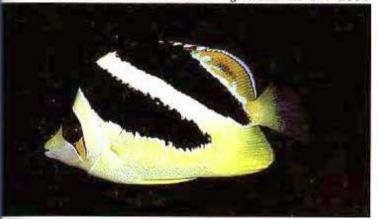
Chaetodon zanzibariensis 338 9 ~ ○ ▼ 12 26°C sg: 1.022 16 cm 200L



Chaetodon vagabundus 338 6-10 → C ♥ 🖾 🖾 26°C sg: 1.022 17 cm 200L



Chaetodon unimaculatus 338 6-9 ~ ○ ♥ № 🖾 26°C sg: 1.022 20 cm 200L



Chaetodon mitratus 338 9 ~ ○ ♥ 🖾 🖾 26°C sg: 1.022 14 cm 200L



Chaetodon xanthocephalus 338 9 ~ 0 ♥ ☑ 26°C sg: 1.022 21 cm 200L



Chaetodon auriga 338 6-10 ~ ○ ▼ № 🖾 26°C sg: 1.022 19 cm 200L



Chaetodon unimaculatus 338 6-9 ~ ○ ♥ ﷺ ﷺ 26°C sg: 1.022 20 cm 200L



Chaetodon marleyi 338 9 ~ € ♥ № 🗠 26°C sg: 1.022 28 cm 300L



Chaetodon ehippium 338 6-9 → C ♥ № № 26°C sg: 1.022 21 cm 300L

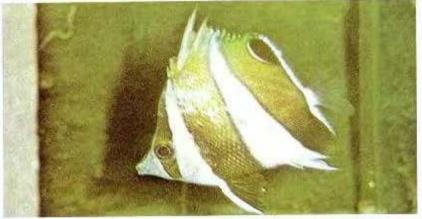


Chaetodon rafflesi 338 6-9 ~ € ▼ ﷺ 🖾 26°C sg: 1.022 17 cm 200L

Chaetodon dichrous 338 13 ~ ○ ♥ 26°C sg: 1.022 15 cm 200L



Chaetodon nippon 338 5, 7 → C ♥ 1 26°C sg: 1.022 17 cm 200L



Chaetodon excelsa 338 6 ~ ○ ▼ ﷺ 🖾 25°C sg: 1.022 15 cm 200L









Chaetodon modestus 338 5, 7 → 0 ♥ 1 26°C sg: 1.022 16 cm 200L



Chaetodon jayakari 338 9 ~ 0 ♥ ☎ ☎ 26°C sg: 1.022 14 cm 200L





Coradion chrysozonus 338 7 → C ♥ № 5 26°C sg: 1.022 12 cm 150L



Coradion altivelis 338 7-8 → 0 ♥ № 🖾 26°C sg: 1.022 15 cm 200L



Pseudochaetodon nigrirostris 338 3 ~ ○ ♥ № 전 26°C sg: 1.022 18 cm 200L



Coradion melanopus 338 7 ~ C ♥ № 🖂 26°C sg: 1.022 15 cm 200L



Chaetodon aya 338 2 ~ • • ▼ № 🖾 26°C sg: 1.022 15 cm 200L



Chaetodon falcifer 338 3 ~ C ♥ № 1 26°C sg: 1.022 19 cm 200L



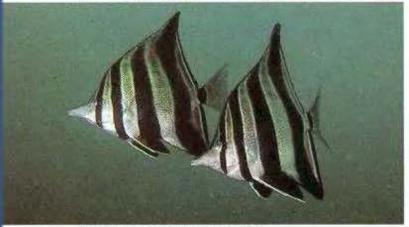


348 #277

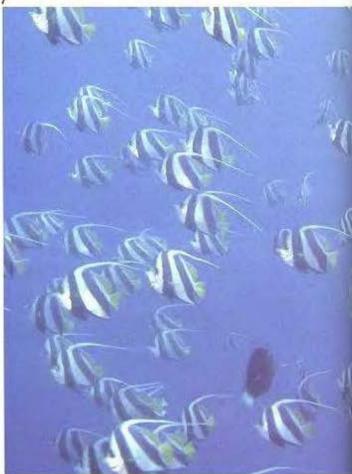


Henlochus pleurotaenia 338 9 ~ ○ ♥ 26°C sg: 1.022 16 cm 200L





Chelmonops truncatus 338 8, 12 → C ♥ № 🖾 23°C sg: 1.022 23 cm 250L



Heniochus acuminatus 338 6-10 ~ ♥ ♥ № № 26°C sg: 1.022 20 cm 200L



Parachaetodon ocellatus 338 6-9 ✓ C ♥ № 🖾 26°C sg: 1.022 17 cm 200L



Coradion chrysozonus 338 7 ~ ○ ♥ 🖾 26°C sg: 1.022 12 cm 150L

¥278 349



Chelmon rostratus 338 6-9 √ C ♥ № 1 26°C sg: 1.022 20 cm 200L



Amphichaetodon melbae 338 3 ~ ○ ♥ 23°C sg: 1.022 16 cm 200L



Amphichaetodon howensis 338 11-12 ~ C ♥ № 🖾 23°C sg: 1.022 20 cm 200L



Chelmonops truncatus 338 8, 12 ~ ○ ▼ 🎏 🖾 23°C sg: 1.022 23 cm 250L



Chelmonops truncatus 338 8, 12 → 0 ♥ № 🖾 23°C sg: 1.022 23 cm 250L



Chelmon rostratus 338 6-9 <-> ○ ▼

■ □ 26°C sg: 1.022 20 cm 200L



Chelmon muelleri 338 7-8 → C ♥ № 🖾 26°C sg: 1.022 15 cm 150L



Chelmon rostratus 338

6-9 ~ ○ ▼ 10 □ 26° C sg: 1.022 20 cm 200L 6-9 ~ ○ ▼ 10 □ 26° C sg: 1.022 17 cm 200L





Forcipiger longirostris 338 6-7, 9 → C ♥ ☎ 월 26°C sg: 1.022 27 cm 300L



Forcipiger longirostris 338 6-7, 9 ~ C ♥ № 🖾 26°C sg: 1.022 27 cm 300L



Hemitaurichthys polylepis 338 8 → 0 ♥ № 🖾 26°C sg: 1.022 18 cm 200L



Hemitaurichthys thompsoni 338 6 ~ C ♥ № 🔄 26°C sg: 1.022 22 cm 300L



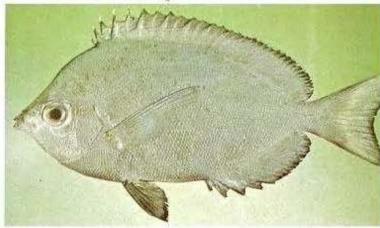
Forcipiger longirostris 338 6-7, 9 → 0 ♥ 1 26°C sg: 1.022 27 cm 300L



Forcipiger flavissimus 338 3, 5-10 ♀ ◇ ♥ ❤ 🖾 26°C sg: 1.022 26 cm 300L



Hemitaurichthys zoster 338 9 → 0 ♥ 🖾 🖾 26°C sg: 1.022 20 cm 200L



Hemitaurichthys multispinus 338 6 ~ ○ ♥ ☑ ☑ 26°C sg: 1.022 21 cm 200L



Heniochus chrysostomus 338 6-8 ▼ ¥ № № 26°C sg: 1.022 18 cm 300L



Heniochus intermedius 338 9-10 → € ♥ № № 26°C sg: 1.030 20 cm 200L



Heniochus monoceros 338 6-7, 9 → C ♥ 🗺 🖾 26°C sg: 1.022 19 cm 200L



Heniochus singularius 338 7 ~ C ♥ № E 26°C sg: 1.022 24 cm 300L



Heniochus varius 338
6-8 → ○ ♥ № 🖾 26°C sg: 1.022 17 cm 200L 6-8 → ○ ♥ № 🖾 26°C sg: 1.022 17 cm 200L





Heniochus acuminatus 338 6-10 → 0 ♥ ☎ 26°C sg: 1.022 25 cm 300L



Heniochus monoceros 338 6-7, 9 ~ € ♥ ₩ 🖾 26°C sg: 1.022 19 cm 200L



Pygoplites diacanthus 339 6-10 → + • ▼ ★ 🖾 26°C sg: 1.022 25 cm 300L

Apolemichthys trimaculatus 339 7-9 → ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 30 cm 300L

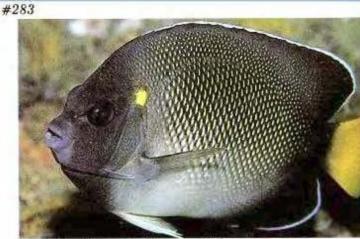


Centropyge acanthops 339 99 5 + 0 ♥ In \square 26°C sg: 1.022 8 cm 80L





Centropyge flavopectoralis 339 99 → + C ♥ In E 26°C sg: 1.022 25 cm 300L



Apolemichthys xanthurus 339 99 ✓ + 0 ♥ № 5 26°C sg: 1.022 15 cm 150L



Centropyge bicolor 339 79 → + 0 ▼ 15 126°C sg: 1.022 15 cm 150L



Centropyge eibli 339 99 ~ + 0 ▼ ➡ ☲ 26°C sg: 1.022 15 cm 150L



Centropyge multispinis 339 99 ~ ↑ 0 ♥ 🗖 🖾 26°C sg: 1.022 14 cm 150L



Centropyge shepardi 339 69 ~ ↑ 0 ♥ 🖬 🖾 26°C sg: 1.022 12 cm 150L



Centropyge loriculus 339 7º ✓ → O ▼ To 🖾 🖾 26°C sg: 1.022 12 cm 150L



Centropyge nox 339
79 ~ → O ♥ ■ 🖾 26°C sg: 1.022 11 cm 100L



Centropyge heraldi 339 °. 7º ∿ ↑ ○ ♥ ➡ 🖾 26°C sg: 1.022 12 cm ·150L



Centropyge ferrugatus 339 7 2 ~ + C ♥ In 🖾 26°C sg: 1.022 10 cm 100L



Centropyge potteri 339 69 ~ + C ♥ In to 26°C sg: 1.022 10 cm 100L



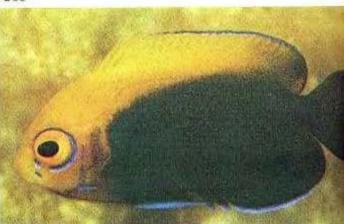
Centropyge colini 339 69 ~ + 0 ♥ m 🖾 26°C sg: 1.022 7 cm 80L

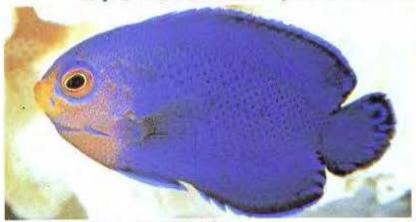


Centropyge heraldi (var.) 339 79 ~ ↑ 0 ♥ 🖪 🖾 26°C sg: 1.022 12 cm 150L



Centropyge resplendens 339 130 V → 0 V I E 26°C sg: 1.022 7 cm 100L





Centropyge argi 339 29 → + 0 ▼ ■ 🖾 26°C sg: 1.022 7 cm 100L



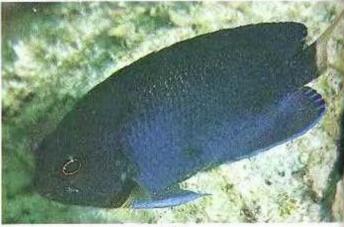


Centropyge hotumatua 339 69 ~ + 0 ♥ № 🔄 26°C sg: 1.022 9 cm 100L



Centropyge multicolor 339 69 ~ + C ♥ ■ 🖾 26°C sg: 1.022 8 cm 80L







Centropyge flavissimus 339 6-7 € ★ € ♥ 🖪 🖾 26°C sg: 1.022 9 cm 100L



Centropyge multifasciatus 339 6.7½ √ + () ♥ Im 🖾 26°C sg: 1.022 15 cm 150L



Centropyge tibicin 339 7º <> + ○ ♥ ■ 🖾 26°C sg: 1.022 19 cm 200L



Genicanthus caudovittafus (male) 339 10 2 ~ + 0 ♥ ➡ № 26°C sg: 1.022 20 cm 200L





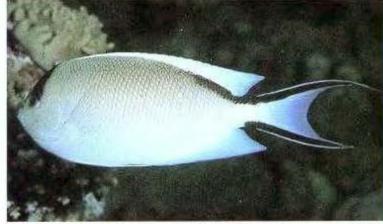
Centropyge flavissimus 339 6-79 ~ + ○ ▼ 🗗 🖾 26°C sg: 1.022 9 cm 100L



Centropyge joculator 339 99 ~ ↑ ↑ (♥ 📾 🖾 26°C sg; 1.022 15 cm 150L



Centropyge vroliki 339 79 5 + 0 ♥ in ⊠ 26°C sg: 1.022 10 cm 100L



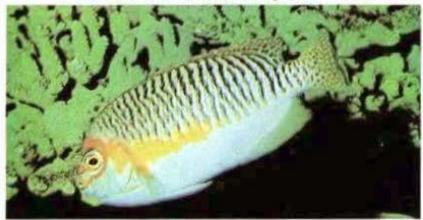
Genicanthus caudovittatus 339 10♀ ✓ ↑ € ♥ 🖬 🖾 26°C sg: 1.022 20 cm 200L



Genicanthus watanabel 339 79 → + 0 ♥ In ⊠ 26°C sg: 1.022 10 cm 100L



Genicanthus watanabei 339 79 ~ ↑ ↑ ↑ ★ 🗗 🖾 26°C sg: 1.022 10 cm 100L



Genicanthus semifasciatus 339 7 € ♦ + 0 ♥ 庙 🖾 26°C sg: 1.022 10 cm 100L



Genicanthus semifasciatus 339 73 → + 0 ♥ in ⊠ 26°C sg: 1.022 10 cm 100L



Genicanthus melanospilus 339 73 → + C ♥ I = 26°C sg: 1.022 21 cm 200L



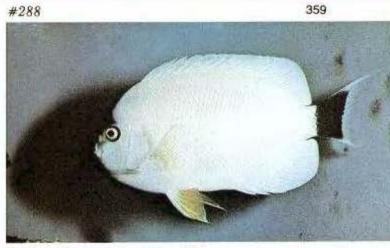
Genicanthus melanospilus 339 79 ~ + 0 ♥ 15 🖂 26°C sg: 1.022 21 cm 200L



Genicanthus semicinctus 339 119 ~ + ○ ♥ 🖬 🖾 26°C sg: 1.022 10 cm 100L



Genicanthus semicinctus 339 11 2 ~ + C ♥ ■ ≅ 26°C sg: 1.022 10 cm 100L











Chaetodontopius melanosoma (juv.) 339 79 ~ + 0 ♥ 6 ☎ 26°C sg: 1.022 20 cm 200L



Chaetodontoplus melanosoma 339 7 → ↑ ○ ▼ In 🖾 26°C sg: 1,022 20 cm 200L



Chaetodontoplus septentrionalis (juv.) 339 7 2 ~ + C V 🖬 🖾 26°C sg: 1.022 22 cm 200L



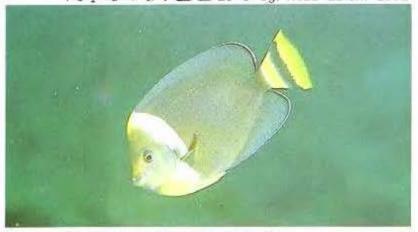
Chaetodontoplus septentrionalis 339 79 ~ + 0 V m E 26°C sg: 1.022 22 cm 200L



Chaetodontoplus duboulayi 339 7-8 2 ~ → C ♥ 🖬 🖾 26 °C sg: 1.022 22 cm 200L

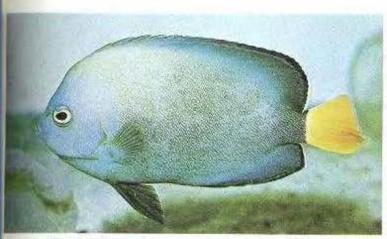


Chaetodontoplus chrysocephalus 339 7 ≥ ~ + 0 ♥ 🖪 🖾 26°C sg: 1.022 22 cm 200L

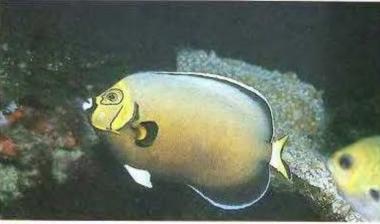




Chaetodontoplus personifer 339 ♀ Chaetodontoplus personifer 339 7-8♀ ✓ ★ ○ ♥ ➡ ☱ 26°C sg: 1.022 23 cm 250L 7-8♀ ✓ ★ ○ ♥ ➡ ು 26°C sg: 1.022 23 cm 250L Chaetodontoplus personifer 339



Chaetodontoplus cyanopunctatus 349 79 ~ ↑ 0 ♥ 🗗 🖾 26°C sg: 1.022 13 cm 150L



Chaetodontoplus conspicillatus 339 8 ₹ ★ C ♥ 📾 🖾 26°C sg: 1.022 25 cm 300L



Chaetodontoplus mesoleucus 339 79 ~ + 0 ♥ Im III 26°C sg: 1.022 15 cm 150L



Chaetodontoplus mesoleucus 339 7 ♀ ❖ ♦ 0 ♥ ➡ 🖾 26°C sg: 1.022 15 cm 150L



Euxiphipops navarchus 339 (juv.)
7 № → C ♥ ■ □ 26°C sg: 1.022 25 cm 300L



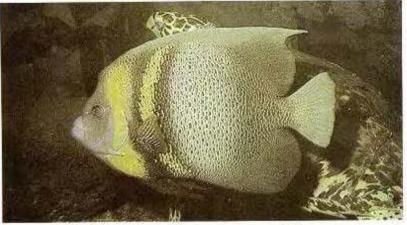
Euxiphipops xanthometopon? (juv.) 339 7-9 % ~ ↑ ○ ♥ 📠 🖾 26°C sg: 1.022 45 cm 500L



Euxiphipops xanthometopon 339
7-9 ₹ ✓ ↑ C ♥ ♠ 26°C sg: 1.022 45 cm 500L



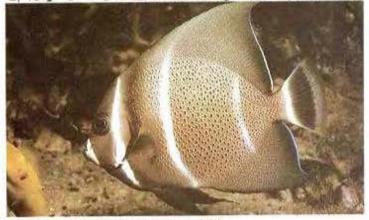
Pygoplites diacanthus (juv.) 339 7, 9-10 ♀ ◇ → ○ ♥ ➡ ☲ 26°C sg: 1.022 30 cm 300L



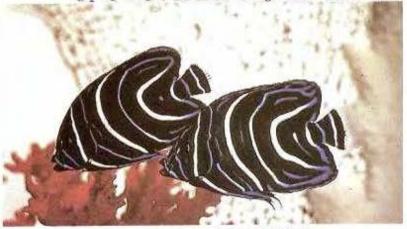
Pomacanthus zonipectus 339 3 € ♦ ♦ 6 ♥ 🕟 🖾 26°C sg: 1.022 30 cm 300L



Pomacanthus paru 339 2, 13 € ~ + € ♥ 🖪 🖾 26°C sg: 1.022 40 cm 400L

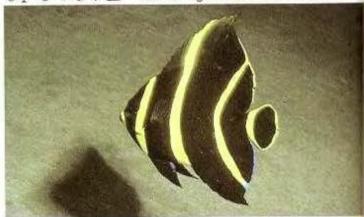


Pomacanthus arcuatus 339 29 ~ ↑ 0 ♥ ★ 🖾 26°C sg: 1.022 36 cm 400L



Pomacanthus semicirculatus 339 (juv.) 7-10 2 → + (♥ 📻 🖾 26°C sg: 1.022 45 cm 500L







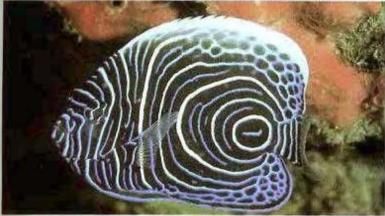


Pomacanthus maculosus 339 (juv.) 9-10 % ~ + ○ ♥ ➡ ☒ 26°C sg: 1.024 40 cm 400L

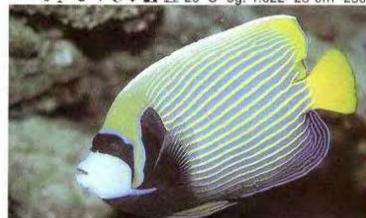


Pomacanthus annularis 339 9 ≥ ~ + 0 ♥ ➡ ☑ 26°C sg: 1.022 25 cm 250L

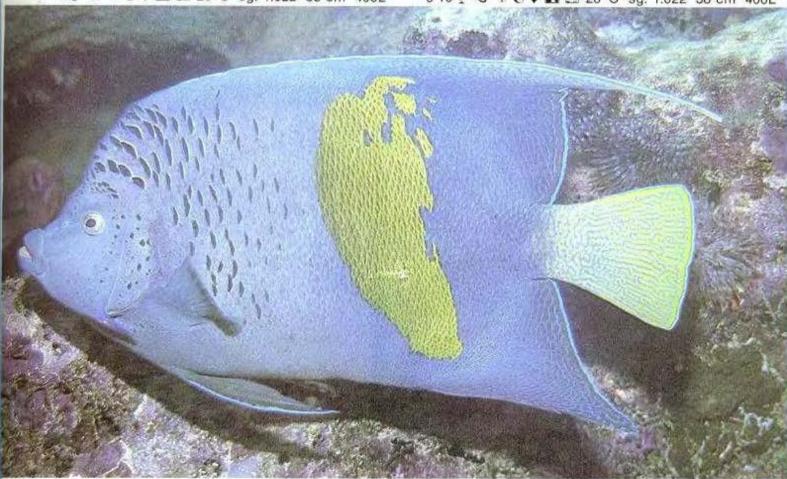
363



Pomacanthus imperator 339 (juv.) 6-10% ~ ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 38 cm 400L



Pomacanthus imperator 339 6-10 2 ~ ↑ € ▼ 🕞 🖾 26°C sg: 1.022 38 cm 400L



Pomacanthus maculosus 339 9-10 € ~ + O ♥ ■ 🖾 26°C sg: 1.024 40 cm 400L

Pomacanthus striatus 339 9 → + O ▼ 🗗 🖾 26°C sg: 1.022 45 cm 500L



Pomacanthus chrysurus 339 7,99 ~ + 0 ♥ ★ E 26°C sg: 1.022 33 cm 300L





Pygoplites diacanthus 339 7, 9-10 ♀ ∽ ↑ ○ ▼ 📠 🖾 26°C sg: 1.022 30 cm 300L



Pomacanthus semicirculatus 339 7-10 2 ~ → ○ ▼ 🖼 🖾 26°C sg: 1.022 45 cm 500L



Euxiphipops sexstriatus 339 7-9 → + C ♥ In 🖾 26°C sg: 1.022 50 cm 500L



Euxiphipops xanthometapon 339
7-9 ₹ ↑ ↑ ○ ▼ ₺ 🖃 26°C sg: 1.022 45 cm 500L



Arusetta asfur 339 9-10 ♀ ~ + ○ ♥ ■ 🖾 26°C sg: 1.022 35 cm 400L

#294 365



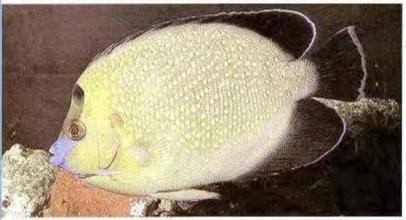
Pomacanthus semicirculatus 339 7-9 ♀ ◇ → • • ♥ ♠ 🖾 26°C sg: 1.022 40 cm 400L



Apolemichthys arcuatus 339 6 € ~ + 0 ♥ ■ □ 26°C sg: 1.022 17.5 cm 200L



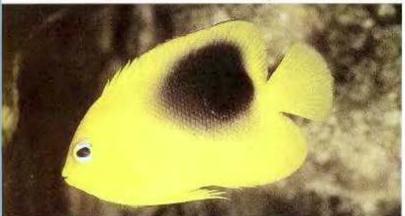
Apolemichthys xanthotis 339 10 € ~ + C ♥ ■ E 26°C sg: 1.028 20 cm 200L



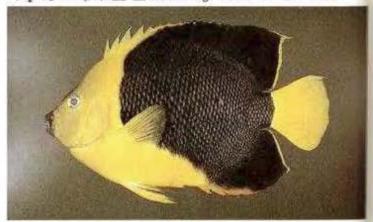
Apolemichthys xanthopunctatus 339 6 € ◇ C ♥ ➡ 🖾 26°C sg: 1.022 25 cm 300L



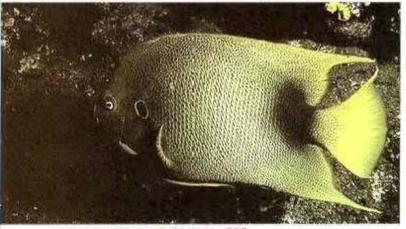
Holacanthus venustus 339 79 ~ + 0 ♥ ■ 🖾 26°C sg: 1.022 11 cm 100L



Holacanthus tricolor (juv.) 339 29 ~ → 0 ♥ 1 1 26°C sg: 1.022 25 cm 300L

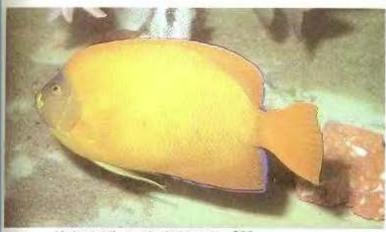


Holacanthus tricolor 339 29 ~ + 0 ♥ ■ 🖾 26°C sg: 1.022 25 cm 300L





Holacanthus africanus 339 (juv.) 13 € ~ + € ♥ 🕟 🖾 26°C sg: 1.022 18 cm 200L



Holacanthus clarionensis 339 3 → + C ♥ In E 26°C sg: 1.022 45 cm 500L



Holacanthus ciliaris 339 2 → + C ♥ ■ = 26°C sg: 1.022 25 cm 300L



Holacanthus ciliaris 339 (juv.) 23 √ + 0 ♥ क 🖾 26°C sg: 1.022 25 cm 300L





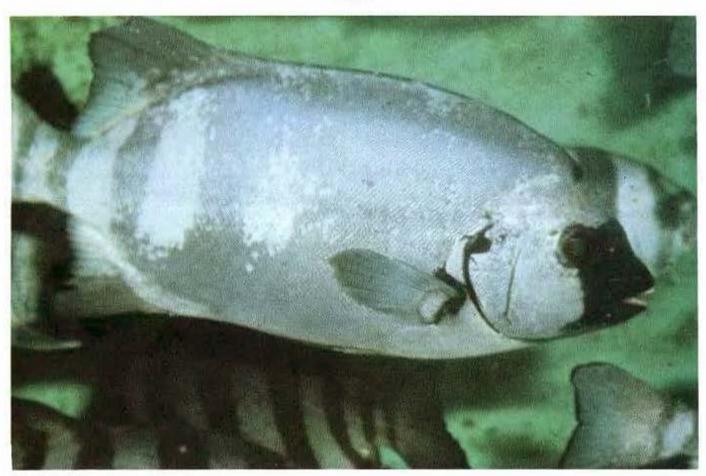
Holacanthus clarionensis 339 (juv.) 3 € ~ ↑ C V is \$\size 26°C sg: 1.022 45 cm 500L



Holacanthus isabelita 339 23 → + 0 ♥ m ⊠ 26°C sg: 1.022 45 cm 500L







Oplegnathus fasciatus 343 5 ◇ + € 火 歸 図 24°C sg: 1.022 80 cm 1000L

Hypsurus caryi 345 3 ~ ↑ ↑ ★ № 🖾 26°C sg: 1.022 30 cm 300L





Girella tricuspidatus 334 11 ~ ↑ • • ■ 🖼 🖾 23°C sg: 1.022 50 cm 500L



Oplegnathus fasciatus 343 5 ★ ◆ ① 火 編 図 24°C sg: 1.022 80 cm 1000L



Oplegnathus punctatus 343 5-7 ❤ € 実 屋 Z6°C sg: 1.022 86 cm 1200L



Oplegnathus punctatus 343 5-7 → ① 🎗 🖾 🖾 26°C sg: 1.022 86 cm 1200L





Amphistichus argenteus 345 3 ~ € 🛠 🖼 🖾 26°C sg: 1.022 43 cm 500L



Cymatogaster aggregata 345 3.4 √ → ● ♥ № 🖾 26°C sg: 1.022 18 cm 200L



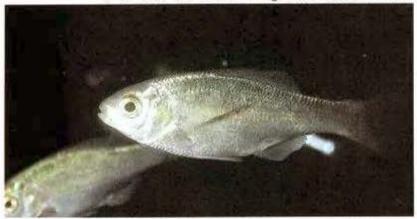
Ditrema temmincki 345 5 ◆ € ★ 🖼 🖾 26°C sg: 1.022 30 cm 300L



Embiotoca jacksoni 345 3 ~ € 🛠 🔀 🖾 26°C sg: 1.022 39 cm 500L



Hypsurus caryi 345 3 ~ € 🗴 🖼 🖾 26°C sg: 1.022 30 cm 300L



Micrometrus aurora 345 3 ~ € 火 區 三 26°C sg: 1.022 18 cm 200L



Micrometrus minimus, 345 3 ~ € 🛠 🖼 🖾 26°C sg: 1.022 16 cm 200L



Damalichthys vacca 345 3 ~ € 🛠 🖼 🖾 26°C sg: 1.022 44 cm 500L



Hyperprosopon ellipticum 345 3 ◇ € ♥ № 区 26°C sg: 1.022 30 cm 300L

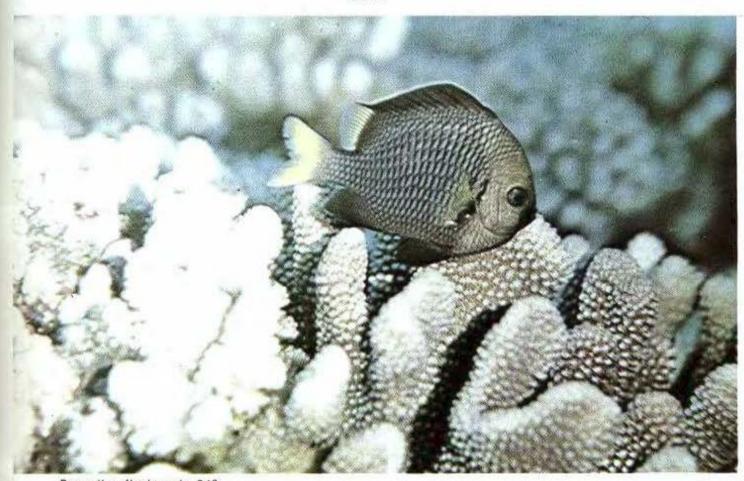


Neoditrema ransonneti 345 5~0火糧区 24°C sg: 1.022 15 cm 200L 3-4~0火糧区 26°C sg: 1.022 32 cm 300L



Phanerodon furcatus 345

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Dascyllus flavicauda 346 6 2 ~ ↑ 0 ♥ 🗗 🖾 26°C sg: 1.022 10 cm 100L

Chromis viridis 346 6 2 ~ + € ♥ ■ ⊠ 26°C sg: 1.022 10 cm 100L



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Premnas biaculeatus 346 6-9 2 √ + 0 ♥ 1 26 °C sg: 1.022 18 cm 200L



Premnas biaculeatus 346 6-9 ♀ ◇ → ○ ♥ ➡ ☲ 26°C sg; 1.022 18 cm 200L



Amphiprion leucokranos 346 6-7 € ~ + ○ ▼ ➡ □ 26°C sg: 1.022 12 cm 150L



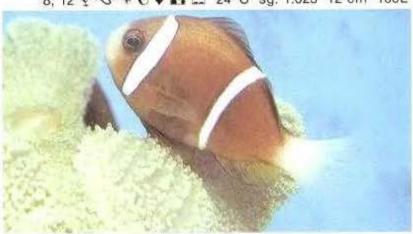
Amphiprion percula 346 6,8 € ~ + ○ ▼ 🖬 🖃 26°C sg: 1.022 11 cm 100



Amphiprion latezonatus 346 8, 12 ♀ ~ + ○ ♥ ➡ □ 24°C sg; 1.023 12 cm 100L



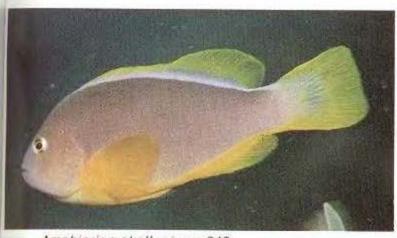
Amphiprion polymnus 346 5-7 ♀ ❖ ❖ ○ ♥ ➡ □ 26°C sg: 1.022 10 cm 100.



Amphiprion akindynos 346 6, 8, 12 ⅔ ~ → ○ ♥ ➡ ➡ 26°C sg: 1.022 12 cm 150L



Amphiprion akindynos 346 6, 8, 12 € ~ + ○ ▼ ★ □ 26°C sg: 1.022 12 cm 18



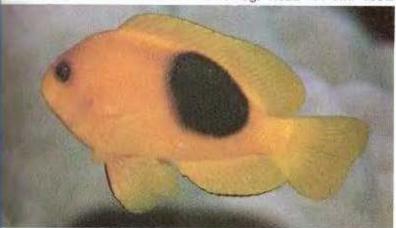
Amphiprion akallopisos 346 7,9 4 → + C ♥ → L 26°C sg: 1.022 9 cm 100L



Amphiprion allardi 346 9 2 → * 0 ▼ 1 = 26°C sg: 1.022 11 cm 100L



Amphiprion chrysogaster 346 9 € ~ ↑ (♥ 📻 🚅 26°C sg: 1.022 11 cm 100L



Amphiprion ephippium 346 7,9 ⅔ ╲ ▽ → C ♥ 🗗 🔲 26°C sg: 1.022 7 cm 80L



Amphiprion akallopisos 346 7,9 ⅔ ~ → C ♥ 🖬 🗔 26°C sg: 1.022 9 cm 100L



Amphiprion clarkii 346 5-7, 9 € ~ ↑ O ♥ 📠 🗔 26°C sg: 1.022 10 cm 100



Amphiprion chrysogaster 346 9 3 ~ + C ♥ ♠ ☐ 26°C sg: 1.022 11 cm 100L



Amphiprion fuscocaudatus 346 9 2 ~ → C V 6 🖾 🖾 26°C sg: 1.022 13 cm 150L





Amphiprion mccullochi 346 11-12 2 → + O ▼ 🖬 🗔 26°C sg: 1.022 13 cm 150L



Amphiprion melanopus 346 6-8 2 ~ + ○ ▼ 🖬 🖃 26°C sg: 1.022 13 cm 150L



Amphiprion melanopus 346 6-8 2 → + C ▼ 🖬 🗔 26°C sg: 1.022 13 cm 150L



Amphiprion melanopus (var) 6-8 ½ ~ ↑ ↑ ○ ♥ 🖬 🔲 26°C sg: 1.022 13 cm 150L



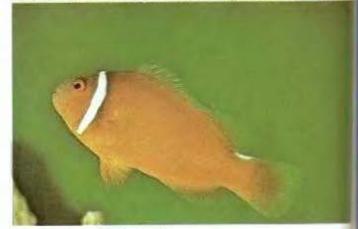
Amphiprion ephippium 346 7, 9 € → + C ♥ ■ □ 26°C sg: 1.022 10 cm 100L



Amphiprion ephippium 346 7, 9 € ~ ↑ ↑ • □ □ 26°C sg: 1.022 10 cm 100

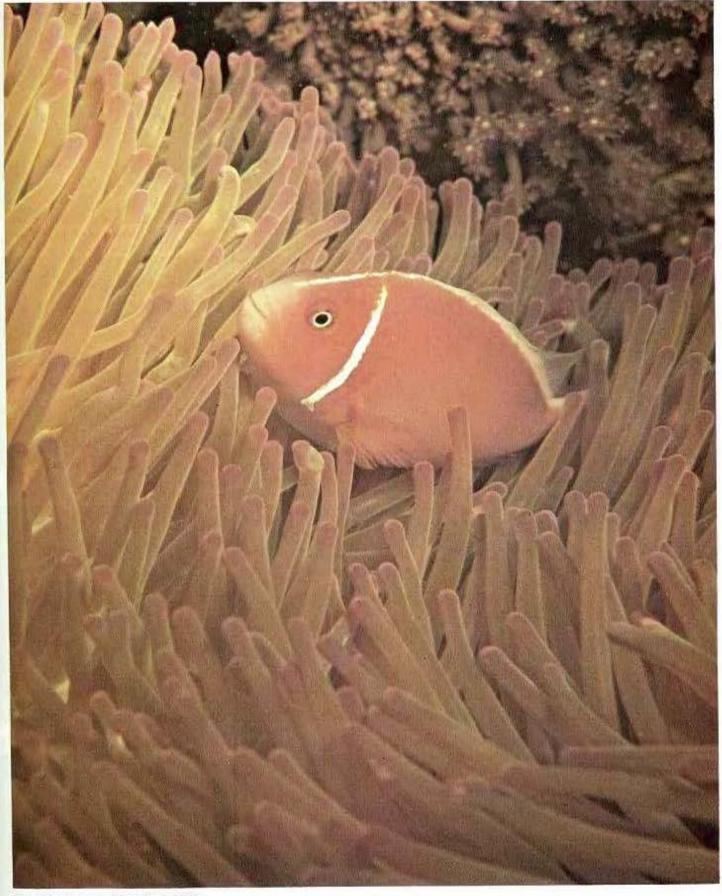


Amphiprion bicinctus 346 (Juv.) 6 € 5 + 0 ♥ ■ □ 26°C sg: 1.022 14 cm 150L

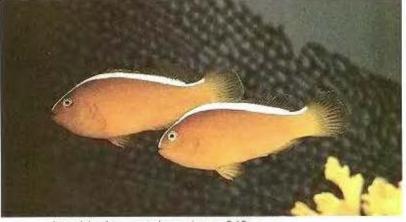


Amphiprion thiellei 346 7 º → + O V In □ 26°C sg: 1.022 8 cm 100L

#302 375

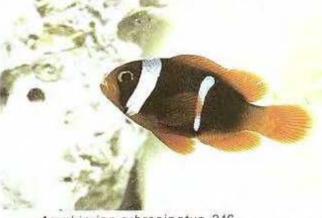


Amphiprion perideraion 346 6-8 2 ~ + € ▼ 🖬 🗔 26°C sg: 1.022 11 cm 100L





Amphiprion tricinctus 346 6 2 √ ↑ C ♥ 📠 🗔 26°C sg: 1.022 14 cm 150L



Amphiprion rubrocinctus 346 6-8, 12 2 ~ ↑ ↑ ○ ▼ 📠 🗔 25° C sg: 1.022 14 cm 150L

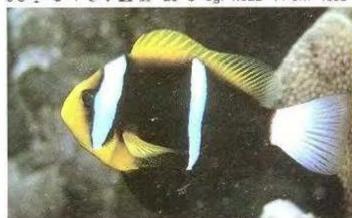


Amphiprion frenatus 346 7,99 → + C ♥ ➡ □ 26°C sg: 1.022 10 cm 100L





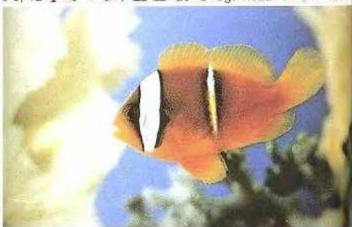
Amphiprion perideraion 346 6-8 2 ~ + ○ ▼ **5** ... 26°C sg: 1.022 11 cm 100L



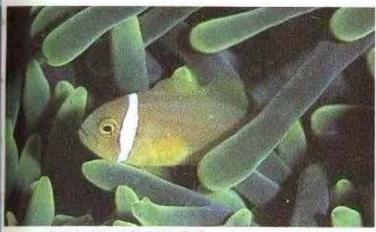
Amphiprion chrysopterus 346 6-7 € ✓ + C V ➡ □ 26°C sg: 1.022 12.5 cm 150L



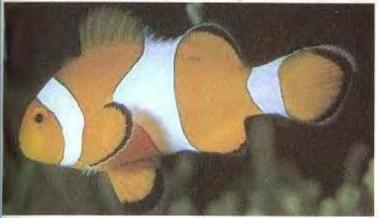
Amphiprion rubrocinctus 346 6-8, 12 ⅔ 🌣 Գ € 🔻 📠 🗔 25°C sg: 1.022 14 cm 150L



Amphiprion frenatus 346 7,9 € ~ + 0 ♥ 15 = 26°C sg: 1.022 10 cm: 100L



Amphiprion nigripes 346 9 ℃ ★ ○ ♥ 🕟 🗔 26°C sg: 1.022 12 cm 150L



Amphiprion ocellaris 346 67 ₹ √ ↑ € ♥ ➡ ⊒ 26°C sg: 1.022 15 cm 200L



Dascyllus carneus 346 7 2 ~ ↑ 0 ♥ 6 🖾 26°C sg: 1.022 10 cm 50L





Amphiprion nigripes 346 9 % → ↑ C ♥ 🖬 🗔 26°C sg: 1.022 12 cm 150L



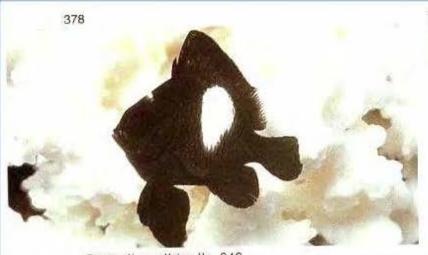
Amphiprion sebae 346 7,9 € ~ + C ♥ ➡ □ 26°C sg: 1.022 14 cm 150L



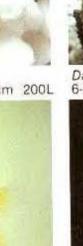
Dascyllus aruanus 346 6-7 ⅔ 🌣 ÷ € ♥ 🗗 🖾 26°C sg: 1.022 10 cm 100L



Parma bicolor 346 12 2 ~ + € ♥ In E 26°C sg: 1.022 20 cm 200L



Dascyllus albisella 346 6 2 5 + C ♥ 1 = 26°C sg: 1.022 13 cm 200L





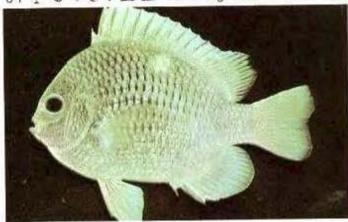
Dascyllus melanurus 346 6-7 ℃ ★ C ♥ ★ 至 26°C sg: 1.022 10 cm 100L



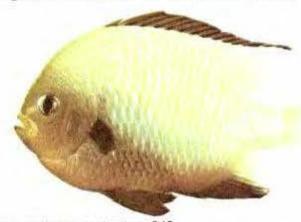
Dascyllus reticulatus 346 6-7 9 → + O V ■ 🖾 26°C sg: 1.022 10 cm 100L



Dascyllus trimaculatus 346 6-7 2 → + C ♥ In 🖾 26°C sg: 1.022 14 cm 200L



Dascyllus strasburgi 346 6 € → ↑ ○ ▼ 🗗 🖾 26°C sg: 1.022 14 cm 200L



Dascyllus marginatus 346 9-10 ♀ ◇ ♠ ○ ♥ ☎ 🖾 26°C sg: 1.022 12 cm 100



Dascyllus carneus 346 7 ℃ → C ♥ 🗗 🖾 26°C sg: 1.022 10 cm 50L

Parma oligolepis 346 8, 12 3 ~ + C ♥ ♠ 🖾 26°C sg: 1.022 20 cm 200L



Parma microlepis 346 11 ♀ ◇ ↑ ○ ♥ 🗗 🖾 23°C sg: 1.024 30 cm 300L



Parma alboscapularis 346 11 ♀ ◇ ↑ ○ ♥ ➡ ☲ 23°C sg: 1.023 20 cm 200L



Parma polylepis 346 6, 8, 12 2 → + 0 ♥ 15 = 25°C sg: 1.022 21 cm 200L



Parma mccullochi 346 12 ♀ ✓ ↑ ○ ♥ ➡ ত 23°C sg: 1.023 12 cm 50L



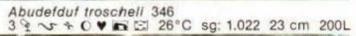
Parma microlepis 346 (juv.) 11 ⅔ ✓ ↑ € ♥ 🖬 🖾 23°C sg: 1.024 30 cm 300L



Parma victoriae 346 11 ♀ → ↑ ○ ♥ ➡ 🖾 23°C sg: 1.024 20 cm 200L

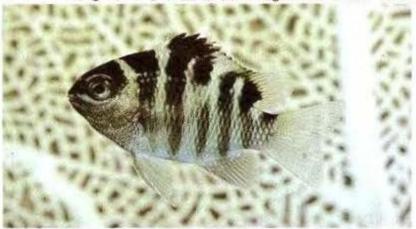


Parma occidentalis 346 11 ♀ ~ ↑ € ♥ 🖬 🖾 23°C sg: 1.023 30 cm 300L





Abudefduf declevifrons 346 3 ℃ ↑ ○ ▼ 🗗 🖾 26°C sg: 1.022 25 cm 200L



Abudefduf taurus 346 2 2 ~ + 0 ♥ ★ 至 26°C sg: 1.022 25 cm 300L



Abudefduf saxatilis 346 Circumtrop. ♀ ~ + € ♥ 📠 🖂 26°C sg: 1.022 15 cm 200



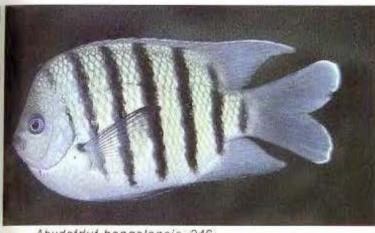
Abudefduf troscheli 346 3 ℃ → ↑ ○ ▼ ➡ ☲ 26°C sg: 1.022 23 cm 200L



Abudefduf sordidus 346 6-9 2 ~ ↑ C ♥ № 12 26°C sg: 1.022 20 cm 200.



Abudefduf taurus 346 2 ℃ → ↑ ○ ♥ 🗗 🖾 26°C sg: 1.022 25 cm 300L



Abudetdut bengalensis 346 7-8 ₹ √ * € ♥ ♠ ₩ 26°C sg; 1,022 17 cm 200L



Abudefduf notatus 346 57 9 V + C V 1 1 26°C sg: 1.022 17 cm 200L



Abudeldul sparoides 346 9 3 5 4 C V 6 5 26°C sg: 1.022 16 cm 200L



Amblyglyphidodon leucogaster 346 6-10 ₹ ◇ ↑ C ♥ 🗹 🖂 52 26°C sg: 1.022 13 cm 150L



Abudefduf margariteus 346 9 ℃ → C ♥ In 云 26°C sg: 1.022 16 cm 80L



Abudefduf sexfasciatus 346 9-10 9 5 + C ♥ 1 E 26°C sg: 1.022 15 cm 200L



Amblyglyphidodon flavilatus 346 9-10 ≥ Sr → C V To S 26°C sg: 1.022 25 cm 300L



Lepidozygus tapeinosoma 346 6-7 ♀ ◇ ↑ ↑ ○ ♥ ♠ □ 26°C sg: 1.022 12 cm 150L



Abudefduf whitleyi 346 8 € ~ ↑ ○ ▼ ➡ 🖾 26 ° C sg: 1.022 18 cm 200L



Abudelduf lorenzi 346 6 € ~ ↑ 0 ♥ 🖬 🖾 26°C sg: 1.022 12 cm 150L



Amblyglyphidodon leucogaster 346 6-10 % → ↑ € ♥ 🗗 🖾 26°C sg: 1.022 13 cm 150L



Amblyglyphidodon ternatensis 346 6-7 2 ~ + ○ ♥ ■ □ 26°C sg: 1.022 14 cm 150L



Abudefduf septemfasciatus 346 6-7 ♀ ◇ → C ♥ ➡ 🖾 26°C sg: 1.022 23 cm 300L



Abudefduf abdominalis 346 6 2 ~ → O V In E 26°C sg: 1.022 19 cm 200L



Amblyglyphidodon curacao 346 6-7 ♀ → + C ♥ ♠ ☲ 26°C sg: 1.022 14 cm 200L



Amblyglyphidodon aureus 346 6-7 ⅔ 🍑 🕆 C 🔻 🖬 🖾 26°C sg: 1.022 13 cm 150L



Chromis atripectoralis 346 67,9,12 2 → + C ▼ ■ 🖾 25°C sg: 1.022 13 cm 150L



Chromis viridis 346 6 € ~ + 0 ♥ № ☑ 26°C sg: 1.022 10 cm 100L





Chromis nigrura 346 9 ℃ → C ♥ ★ □ 26°C sg: 1.022 5 cm 50L





Chromis dimidiata 346 9-10 ♀ ~ ↑ ○ ♥ ★ □ □ 26°C sg: 1.022 9 cm 100L



Chromis klunzingeri 346 12 ³ ∼ ↑ ○ ♥ **a** ☑ 24°C sg: 1.023 10 cm 100L



Chromis opercularis 346 9 2 ~ + 0 ♥ m 🖾 26°C sg: 1.022 16 cm 200L



Chromis flavomaculata 346 7 % ~ ↑ ○ ♥ 🖾 26°C sg: 1.022 12 cm 150L



Chromis enchrysura 346 1-2 3 ~ ↑ C ▼ 15 至 25°C sg: 1.022 10 cm 100L



Chromis sp. 346 6 2 ~ → 0 • • □ □ 26°C sg: 1.022 10.5 cm 150L



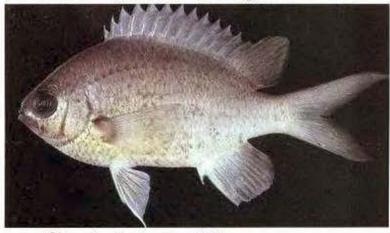
Chromis ovalis 346 6 € ~ ↑ € • □ □ 26°C sg: 1.022 19 cm 200L



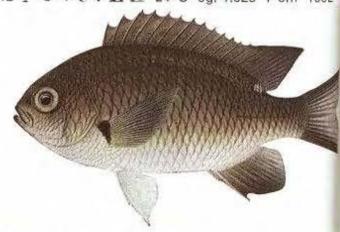
Chromis randalli 346 6 € ~ ↑ ↑ ○ ♥ 📻 🖾 26°C sg: 1.022 17 cm 200L



Chromis westaustralis 346 12 ♀ ❖ ❖ ○ ♥ ➡ ☲ 24°C sg: 1.023 7 cm 100L



Chromis cinerascens 346 7 2 ~ + C ♥ 📾 🖾 26°C sg: 1.022 10 cm 100L



Chromis notata 346 5 % ~ → O ♥ 📾 🖾 23°C sg: 1.022 4 cm 50L



Chromis lineata 346 6-7 € ~ + 0 ♥ in E 26°C sg: 1.022 9 cm 100L



Chromis vanderbilti 346 6,8 ⅔ 🗸 ↔ 0 ♥ 📠 🖾 26°C sg: 1.022 10 cm 100L



Chromis acares 346 6 9 ~ + 0 ♥ m E 26°C sg: 1.022 9 cm 100L



Chromis agilis 346 6-8 2 ~ + 0 ♥ 1 26°C sg: 1.022 12 cm 150L



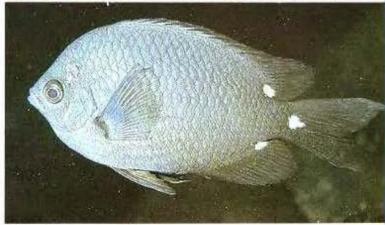
Chromis analis 346 6-7, 9 3 ~ + 0 ♥ m □ 26°C sg: 1.022 13 cm 150L



Chromis chrysura 346 5-6, 8-9 9 ~ + C ♥ 6 E 26°C sg: 1.022 15 cm 200L



Chromis mirationis 346
5 € √ + ○ ♥ ■ □ 26°C sg: 1.022 12 cm 150L 6 € √ + ○ ♥ ■ □ 26°C sg: 1.022 20 cm 200L Chromis mirationis 346





Chromis amboinensis 346 6-7 2 → + 0 ♥ ■ 🖾 26°C sg: 1.022 11 cm 100L



Chromis ternatensis 346 6-7, 9 ⅔ ∿ ↑ ○ ♥ 📠 🖾 26°C sg: 1.022 12 cm 100L



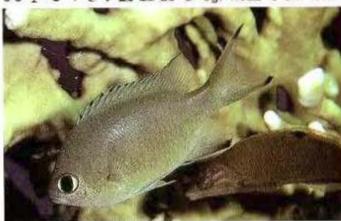
Chromis fumea 346 7-8, 11-12 2 ~ + ○ ▼ ■ 🖾 26°C sg: 1.022 9 cm 100L



Chromis opercularis 346 9 2 ~ + ○ ♥ ■ 🖾 26°C sg: 1.022 16 cm 200L



Chromis atripes 346 6-8 ♀ ◇ ↑ ○ ♥ ♠ 🖾 26°C sg: 1.022 5 cm 50L



Chromis lepidolepis 346 6-7 2 ~ + ○ ▼ 🖬 🖾 26°C sg: 1.022 12 cm 150



Chromis hypselepis 346 11-12 2 → + C ▼ ■ 🖾 23°C sg: 1.024 13 cm 15



Chromis weberi 346 6-7, 9 3 → + C ♥ In 🖾 26°C sg: 1.022 19 cm 20



Chromis nitida 346 8, 12 € ~ ↑ ○ ♥ 📠 🖾 26°C sg: 1.022 12 cm 150L



Chromis bicolor 346 6-7 3 ~ ↑ € ♥ 15 5 26°C sg: 1.022 11 cm 100L



Chromis hanui 346 6 ℃ № ○ ♥ 🖬 🖾 26°C sg: 1.022 11 cm 100L



Chromis leucura 346 6 2 ~ + 0 ▼ ■ 5 26°C sg: 1.022 10 cm 100L



Chromis retrotasciata 346 6-8 ♀ ◇ ↑ ○ ♥ 🗗 🖾 26°C sg: 1.022 9 cm 100L



Chromis xanthura 346 6-7 € ~ ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 16 cm 200L



Chromis iomelas 346 6,8 9 ~ + ○ ♥ 1 ⊆ 26°C sg: 1.022 10 cm 100L



Chromis sp. "D" 346 6 2 ~ + O ♥ ■ E 26°C sg: 1.022 6 cm 100L



Chromis insolatus 346 2 3 → + C V In E 26°C sg: 1.022 10 cm 100L



Chromis cyaneus 346 2 2 3 3 1.022 13 cm 150L



Chromis scotti 346 2 ≥ ~ + C ♥ ➡ \ 26°C sg: 1.022 10 cm 100L



Chromis scotti 346 2 3 5 5 € 7 10 10 E 26°C sg: 1.022 10 cm 100L









Chromis cadenati 346 13 2 √ + 0 ♥ 15 \(\simes\) 26°C sg: 1.022 12 cm 100L



Chromis limbaughi 346 3 2 √ + C ▼ 15 15 26°C sg: 1.022 10 cm 100L



Chromis limbaughi 346 3 € ~ ↑ ↑ C ♥ In ⊆ 26°C sg: 1.022 10 cm 100L



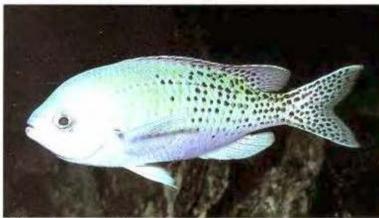
Chromis altus 346 3 € ~ + (♥ 📭 🖂 26°C sg: 1.022 9 cm 100L



Chromis altus 346 3 2 √ * (♥ • 5 5 26°C sg: 1,022 9 cm 100L



Chromis multilineatus 346 2 € № → C ♥ 🗗 🖾 26°C sg: 1.022 16 cm 200L



Chromis punctipinnis 346 3 € ~ + O ♥ In t 26°C sg: 1.022 30 cm 300L



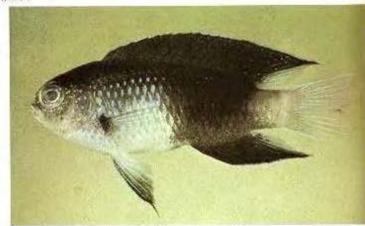
Chromis viridis 346 6 € ~ + C ♥ m 🗠 26°C sg: 1.022 10 cm 100L



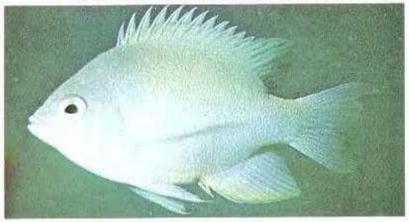
Chromis atrilobata 346 3 2 → 1 (♥ 📠 🖂 26°C sg: 1.022 7 cm 80L



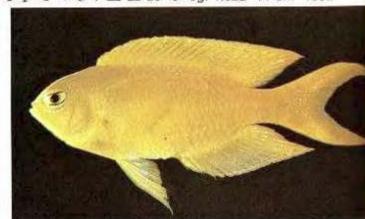
Chrysiptera notialis 346 ♀ ◆ ↑ ○ ▼ ➡ ☲ 26°C sg: 1.022 6.5 cm 100L



Chrysiptera rapanui 346 6 ♀ ∿ ↑ 0 ♥ क 🖾 25°C sg: 1.022 11 cm 100L



Chrysiptera melanomaculata 346 6, 11-12 € → + O ♥ ■ 🖾 26°C sg: 1.022 7 cm 100L

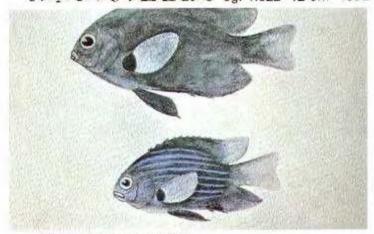


Chrysiptera galba 346 6 ♀ ◇ ★ ○ ♥ 🗗 🖾 26°C sg: 1.022 12 cm 150L



Chrysiptera glauca 346
6-7 ♀ ~ → ↑ ○ ▼ 🖾 🖾 26°C sg: 1.022 12 cm 100L 6-8 ♀ ~ → ↑ ○ ▼ 🛣 🖂 26°C sg: 1.022 11 cm





Chrysiptera niger 346 8 9 ~ + 0 ♥ ■ E 26°C sg: 1.022 10 cm 100L



Unidentified Damselfish (nuptial pattern) 346 6-7 % ~ + 0 ♥ m = 26°C sg: 1.022 12 cm 100L



Chrysiptera leucopoma 346 6-7 ♀ ◇ ↑ ○ ♥ ➡ ত 26°C sg: 1.022 12 cm 150L



Chrysiptera caeruleolineata 346 6-7 ♀ ◇ ↑ C ♥ ➡ ☲ 26°C sg: 1.022 9 cm 100L



Chrysiptera traceyi 346 6-7 ♀ → ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 10 cm 100L



Chrysiptera annulata 346 9-10 ⅔ ∿ ↑ € ♥ 🖬 🖾 26°C sg: 1.024 7 cm 80L



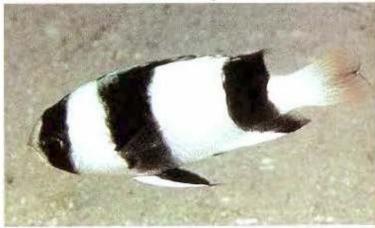
Chrysiptera leucopoma 346 (juv.) 6-7 2 √ + ○ ▼ ■ 🖾 26°C sg: 1.022 12 cm 150L



Paraglyphidodon sp. (juv.) 346 8 ⅔ 🌣 + O ♥ 📠 🖾 26°C sg: 1.022 10 cm 150L



Chrysiptera talboti 346 6-8 2 ~ → ○ ▼ 🖾 🖾 26 °C sg: 1.022 10 cm 100L



Chrysiptera tricincta 346 6 ℃ → ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 10 cm 100L

Chrysiptera flavipinnis 346 6,8 € ~ + 0 ♥ 📾 🖾 26°C sg: 1.022 11 cm 100L



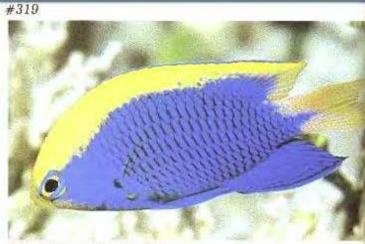
Chrysiptera cyanea 346 ♀ 6-7 ♀ → ↑ ○ ♥ ➡ 丞 26°C sg: 1.022 8 cm 100L



Chrysiptera taupou 346 6 ℃ → ↑ C ♥ 📠 🖾 26°C sg: 1.022 75 cm 100L



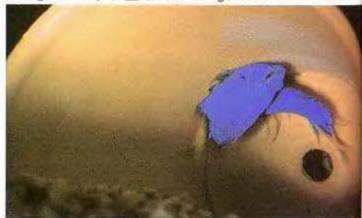
Chrysiptera springeri 346 7 ⅔ 🌣 🕈 C 🛡 📠 🖾 26°C sg: 1.022 10 cm 100L



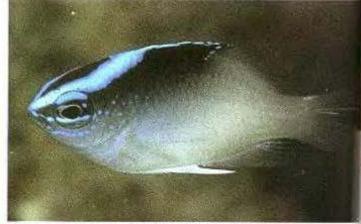
Chrysiptera starcki 346 6-8 2 ~ → ○ ♥ 🖬 🖾 26°C sg: 1.022 10 cm 100L



Chrysiptera cyanea 346 6-7 ♀ ~ + ○ ♥ ➡ 🖾 26°C sg: 1,022 8 cm 100L



Chrysiptera parasema 346 7 ♀ → → ○ ♥ 📾 🖾 26°C sg: 1.022 8 cm 50L

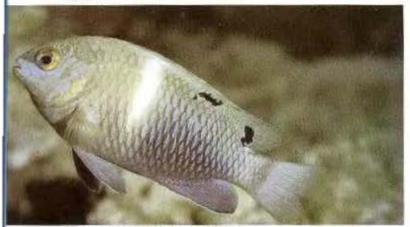


Chrysiptera rollandi 346 6,8 € ~ + C ♥ ■ = 26°C sg: 1.022 9 cm 100L

#320 393



Chrysiptera hemicyanea 346 7 º → • • ▼ • □ 26°C sg: 1.022 20 cm 200L



Chrysiptera biocellata 346 6-7 ≥ → + C ♥ 6 🖾 26°C sg: 1.022 12 cm 150L



Chrysiptera unimaculata 346 6-8 € → + C ♥ m ≅ 26°C sg: 1.022 11 cm 100L



Chrysiptera rollandi 346 6,8 % ~ + C ♥ ➡ ⊆ 26°C sg: 1.022 9 cm 100L



Plectroglyphidodon leucozona 346 6-9 3 √ 1 (♥ 15 ≦ 26°C sg: 1.022 9 cm 100L



Chrysiptera glauca 346 6-7 € ♦ 0 ♦ № № № 26°C sg: 1.022 12 cm 100L



Chrysiptera unimaculata 346 6-8 € → + C → 1 ≦ 26°C sg: 1.022 11 cm 100L



Neopomacentrus miryae 346 10 ⅔ ❤ ★ C ♥ ♠ 1 26°C sg: 1.028 11 cm 100L



Plectroglyphidodon phoenixensis 346 6 € ~ + C ♥ to ≥ 26°C sg: 1.022 7 cm 100L



Plectroglyphidodon dickii 346 7-9 ♀ ◆ ↑ ○ ♥ ► ⊆ 26°C sg: 1.022 13 cm 150L



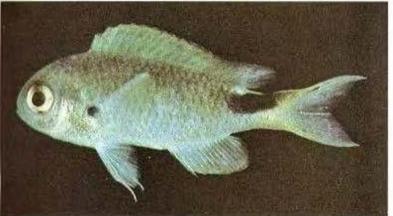
Plectroglyphidodon johnstonianus 346 6-8 ♀ ◇ ↑ ○ ♥ 🖬 🖾 26 °C sg: 1.022 12 cm 150L



Plectroglyphidodon imparipennis 346 6-7 ♀ ❖ ❖ € ♥ ➡ ☲ 26°C sg: 1.022 10 cm 100L



Plectroglyphidodon sindonis 346 6 9 ~ + C ♥ 1 1 26°C sg: 1.022 15 cm 200L







 Pomachromis fuscidorsalis 346
 Pomachromis richardsoni 346

 6 ♀ ∨ + ○ ♥ ★ □ 26°C sg: 1.022 11 cm 100L
 6-8 ♀ ∨ + ○ ♥ ★ □ 26°C sg: 1.022 11 cm 100L





Paraglyphidodon nigroris 346 6-7 2 ~ + C ♥ ■ □ 26°C sg: 1.022 15 cm 200L



Paraglyphidodon melas 346 6-10 % → + € ♥ ★ 12 25 °C sg: 1.022 17 cm 200L





Paraglyphidodon lacrymatus 346 6-7 ° → ↑ ○ ▼ 🕞 🖂 26°C sg: 1.022 13 cm 150L



Paraglyphidodon nigroris 346 (juv.) 6-7 ⅔ ❤ ↔ € ♥ ➡ ☱ 26°C sg: 1.022 15 cm 200L



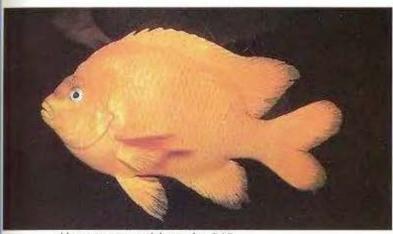
Paraglyphidodon melas 346 6-10 ≥ ✓ + € ♥ ■ □ 26°C sg: 1.022 17 cm 200



Paraglyphidodon polyacanthus 346 6, 11-12 ₹ ★ ↑ C ♥ In ⊠ 24°C sg: 1.023 17 cm 20



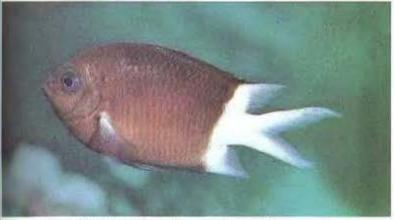
Paraglyphidodon oxyodon 346 7 € ~ + C ♥ In ⊠ 26°C sg: 1.022 5 cm 50L



Hypsypops rubicunda 346 3 ½ √ ↑ € ♥ № 🖾 24°C sg: 1.023 36 cm 500L



Hypsypops rubicunda 346 (juv.) 3 € ~ + 0 ♥ № 5 24°C sg: 1.023 36 cm 500L



Acanthochromis polyacanthus 346 6-7 2 ~ → ↑ ○ ▼ 55 🖾 26°C sg: 1.022 10 cm 100L



Acanthochromis polyacanthus (juv.) 346 6-7 2 → + C ▼ 1 26°C sg: 1.022 10 cm 100L



Hemiglyphidodon plagiometopon 346 6-7, 9 ♀ → ↑ C ♥ ★ 🖾 26°C sg: 1.022 19 cm 200L



Hemiglyphidodon plagiometopon 346 6-7, 9 ♀ ◇ → C ♥ In ⊠ 26°C sg: 1.022 19 cm 200L



Cheiloprion labiatus 346 6-7, 9 € ~ → ↑ () ♥ Im (= 26°C sg: 1.022 11 cm 100L



Amblypomacentrus breviceps 346 6-7 € ~ + O ♥ ■ 🖾 26°C sg: 1.022 8 cm 100L

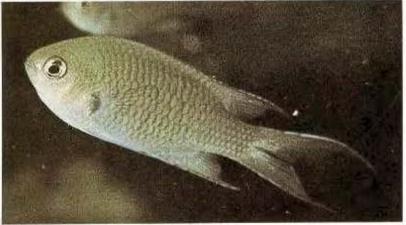




Neopomacentrus cyanomos 346 6-7, 9 ♀ ✓ + ○ ♥ ➡ ☲ 26°C sg: 1.022 12 cm 150L



Neopomacentrus violascens 346 5-7 € ~ ↑ ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 10 cm 100L



Neopomacentrus metallicus 346 6 % √ + 0 ♥ № № 26°O sg: 1.022 6 cm 80L



Neopomacentrus taeniurus 346 6-7 3 ~ + ○ ▼ 🖬 🖾 26°C sg: 1.018 11 cm 100L



Neopomacentrus azysron 346 6-7 ♀ ▽ ★ ○ ♥ ★ 🖾 26°C sg: 1.022 6 cm 80L



Neopomacentrus nemurus 346 6-7 € → + O ♥ 🕞 🖾 26°C sg: 1.022 11 cm 100L



Neopomacentrus filamentosus 346 7 € ~ + O ♥ M 🖾 🖾 26°C sg: 1.022 7 cm 80L



Pomacentrus philippinus 346 6-8 ½ √ ÷ C ♥ ➡ ≅ 26°C sg: 1.022 13 cm 150L



Pomacentrus caeruleus 346 7.9 ♀ ❤ ♣ C ♥ ➡ 🖾 26°C sg: 1.022 10 cm 100L



Pomacentrus trichourus 346 9 ≥ ~ + () ♥ Int = 26°C sg: 1.022 10 cm 100L



Pomacentrus alleni 346 7-9 ℃ ↑ ↑ (♥ 📭 🗠 26°C sg: 1.022 8 cm 50L



Pomacentrus coelestis 346 6-8 ⅔ ◇ → ↑ (♥ 🗗 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus australis 346



Pomacentrus australis 346

8 ≥ √ + (▼ ■ 至 26°C sg: 1.022 11 cm 100L 6-8 ≥ √ + (▼ ■ 至 26°C sg: 1.022 12 cm 150L





Pomacentrus reidi 346 6-8 ⅔ ∿ ↑ (♥ 🖨 🖾 26°C sg: 1.022 14 cm 150L



Pomacentrus chrysurus 346 6-8 9 ~ + C ♥ 6 \ 26°C sg: 1.022 12 cm 150L



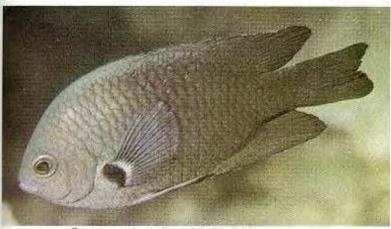
Dischistodus pseudochrysopoecilus 346 6-8 € ~ → O ♥ In ⊠ 26°C sg: 1.022 19 cm 200L



Pomacentrus tripunctatus 346 6-8 9 ~ + (♥ to ≦ 26°C sg: 1.022 11 cm 100L



Pomacentrus emarginatus 346 6-7 € ~ + C ♥ ★ ⊆ 26°C sg: 1.022 13 cm 150L



Pomacentrus brachialis 346 7 ℃ → C ♥ 🕟 🖾 26°C sg: 1.022 8 cm 100L



Pomacentrus nigromarginatus 346 6-8 ♀ ◇ ↑ ○ ♥ 🗗 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus arenarius 346 11-12 ⅔ ∼ ★ C ♥ 🖬 🖾 26°C sg: 1.022 8 cm 100L



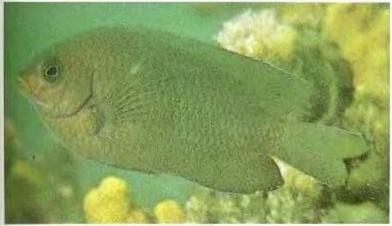
Pomacentrus nigromanus 346 6-8 3 ~ → 0 ♥ ■ 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus albimaculus 346 7 % → ↑ 0 ♥ ➡ 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus philippinus 346 6-8 ♀ ◇ ↑ ↑ ♥ ♠ 🖾 26°C sg: 1.022 13 cm 150L



Pomacentrus wardi 346 8 2 → + 0 ♥ 1 🖾 26°C sg: 1.022 13 cm 150L



Pomacentrus stigma 346 7 ♀ → ↑ ○ ♥ 🖬 🗠 26°C sg: 1.022 12 cm 150L



Pomacentrus amboinensis 346 6-8 2 → + 0 → 15 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus smithi 346 6-7 € \sigma \Delta C \Delta E 26°C sg: 1.022 10 cm 100L





Pomacentrus sulfureus 346 9-10 ♀ ▼ ↑ ○ ▼ ➡ ☲ 26°C sg: 1.022 10 cm 100L



Pomacentrus amboinensis 346 (juv.) 6-8 ♀ ✓ ↑ € ▼ 🕞 🖾 26°C sg: 1.022 12 cm 150L



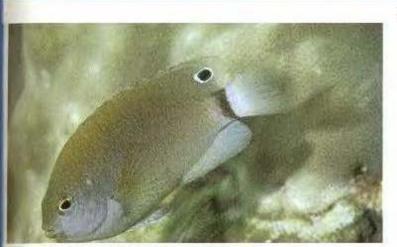
Pomacentrus vaiuli 346 6-8 ⅔ ∽ ❖ € ♥ ♠ № 26°C sg: 1.022 8 cm 100L



Pomacentrus bankanensis 346 6-8 ♀ ∽ ÷ ○ ♥ ▶ ☑ 26°C sg: 1.022 11 cm 100L



Pomacentrus moluccensis 346 6-7 2 ~ + 0 ♥ ► \ 26°C sg: 1.022 11 cm 100



Pomacentrus chrysurus 346 6-8 2 ~ + 0 ♥ ■ ☑ 26°C sg: 1.022 12 cm 150L



Pomacentrus pikei 346 9 % → ↑ 0 ♥ 🖬 🖾 26°C sg: 1.022 12 cm 150L



Pomacentrus sp. 346 9 2 → + C ♥ In E 26°C sg: 1.022 10 cm 150L



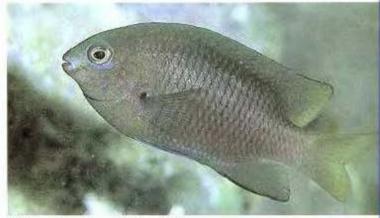
Stegastes sp. 346 7,9 2 ~ ↑ 0 ♥ ■ □ 26°C sg: 1,022 9 cm 100L



Pomacentrus pavo 346 6-9 ♀ ∿ ★ C ♥ ★ 🖾 26 °C sg: 1.022 13 cm 150L



Pomacentrus trilineatus 346 10 2 ~ + 0 ♥ ■ 🖾 26°C sg: 1.022 7 cm 100L



Stegastes fasciolatus 346 6 ℃ ↑ ↑ ○ ♥ 📠 🖾 26°C sg: 1.022 13 cm 150L



Stegastes sp. 346 9 ℃ ↑ ○ ▼ 🕞 🖾 26°C sg: 1.022 8 cm 100L

Stegastes albifasciatus 346 6-7 ℃ → ↑ ○ ♥ ➡ ☲ 26°C sg: 1.022 13 cm 150L



Stegastes lividus 346 6-10 ♀ ~ + (♥ ♠ ⊠ 26°C sg: 1.022 15 cm 150L



Stegastes sp. 346 3 € ~ + 0 ♥ ➡ 24°C sg: 1.023 12 cm 150L



Pomacentrus milleri 346 7 ⅔ ∿ → 0 ♥ 📾 🖾 26°C sg: 1.022 7 cm 80L



Stegastes apicalis 346 8 ♀ ✓ ↑ (♥ 🗗 🖾 26°C sg: 1.022 15 cm 150L



Stegastes fasciolatus 346 6 ℃ → ↑ ○ ♥ № 5 26°C sg: 1.022 13 cm 150L



Stegastes simslang 346 7 % ↑ 0 ♥ 15 26°C sg: 1.022 15 cm 150L



Pomacentrus milleri 346 7 2 ~ + 0 ♥ m ≧ 26°C sg: 1.022 7 cm 80L



Stegastes rectifraenum 346 3 ℃ → C ♥ In ⊠ 26°C sg: 1.022 10 cm 100L



Stegastes rectifraenum 346 3 2 → + 0 ♥ m 🖾 26°C sg: 1.022 10 cm 100L





Stegastes leucorus 346 3 ℃ → 0 ♥ 🖬 🖾 26°C sg: 1.022 50 cm 500L



Stegastes aureus 346 6 2 √ ↑ C ▼ 1 22 26°C sg: 1.022 13 cm 150L



Stegastes emeryi 346 6 ℃ № № № № № № 100L



Stegastes nigricans 346 6-7 ½ ✓ ↑ € ♥ **In** ≥ 26°C sg; 1.022 15 cm 150L



Stegastes obreptus 346 7 2 ~ + 0 ♥ • ≅ 26°C sg: 1.022 12 cm 150L



Stegastes partitus 346 2 2 √ ↑ (♥ 🕟 🖾 26°C sg: 1.022 10 cm 100L



Stegastes partitus 346 2 ⅔ ∿ ♣ 0 ♥ ➡ ➡ 26°C sg: 1.022 10 cm 100L



Stegastes planifrons 346 2 ℃ ↑ ○ ▼ to □ □ 26°C sg: 1.022 13 cm 150L



Stegastes planifrons 346 2 2 ~ + (♥ m ⊆ 26°C sg: 1.022 13 cm 150L



Stegastes dorsopunicans 346 2 2 15 10 € 15 12 26°C sg: 1.022 15 cm 150L



Stegastes dorsopunicans 346 2 ♀ ∽ ♦ 0 ♥ क़ 26°C sg: 1.022 15 cm 150L



Stegastes redemptus 346 3 2 ~ + 0 ♥ ■ □ 26°C sg: 1.022 12 cm 150L



Stegastes redemptus 346 3 ℃ ★ ○ ▼ ★ □ □ 26°C sg: 1.022 12 cm 150L



Stegastes diencaeus 346 2 3 ~ → ↑ ● ₩ 🖾 🖾 26°C sg: 1.022 13 cm 150L



Stegastes mellis 346 2 2 → + 0 ♥ 12 26°C sg: 1.022 12.5 cm 800L



Stegastes variabilis 346 2 ♀ ❤ ❖ ◑ ♥ ❤️ ፲፰ 26°C sg: 1.022 13 cm 150L



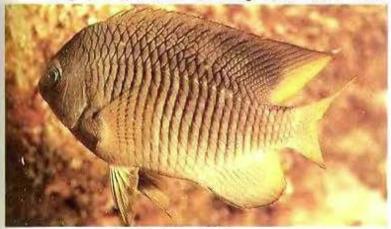
Stegastes variabilis 346 2 ♀ ∽ ↑ € ♥ № 🖾 26°C sg: 1.022 13 cm 800L



Stegastes imbricata 346 13 9 ~ ↑ • ♥ № 🖾 26°C sg: 1.022 13 cm 150L



Stegastes leucostictus 346 2 2 2 1.022 10 cm 100L



Stegastes flavilatus 346 3 € ~ + 0 ♥ ₩ 🖾 🖾 26°C sg: 1.022 5 cm 50L



Stegastes flavilatus 346 3 ♀ ◇ ↑ ↑ ♥ ❤️ 🖾 🖾 26°C sg: 1.022 5 cm 50L



Microspathodon chrysurus 346 2 € 5 + 0 ♥ m 🖾 26°C sg: 1.022 20 cm 200L



Microspathodon bairdi 346 3 € ~ + C ♥ 🖬 🖾 26°C sg: 1.022 20 cm 200L



Pristotis jerdoni 346
7-8 ♀ ▽ ★ ○ ♥ ➡ ☲ 26°C sg: 1.022 11 cm 100L 10 ♀ ▽ ★ ○ ♥ ➡ ☲ 26°C sg: 1.022 10 cm 100L



Microspathodon dorsalis 346 3 9 5 + 0 ♥ m 🖾 26°C sg: 1.022 31 cm 300L



Microspathodon chrysurus 346 2 9 ~ + (♥ m = 26°C sg: 1.022 20 cm 200L



Microspathodon frontalis 346 13 9 V + C V In E 26°C sg: 1.022 25 cm 300L





Dischistodus prosopotaenia 346 6-9 ♀ ◇ → ↑ C ♥ 🗗 🖾 26°C sg: 1.022 15 cm 150L



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Dischistodus prosopotaenia 346 6-9 € ~ ↑ ○ ▼ ★ ☑ 26°C sg: 1.022 15 cm 150L



Dischistodus pseudochrysopoecilus 346 6-7% ~ ↑ ○ ▼ 🗗 🖾 26°C sg: 1.022 16 cm 200L



Dichistodus lasciatus 346 7-8 2 ~ → ○ ▼ 🗗 🖾 🖾 26°C sg: 1.022 11.5 cm 150L



Dischistodus chrysopoecilus 346 6-7 ♀ ◇ ↑ ○ ♥ 🕟 🖾 26°C sg: 1,022 16 cm 200L



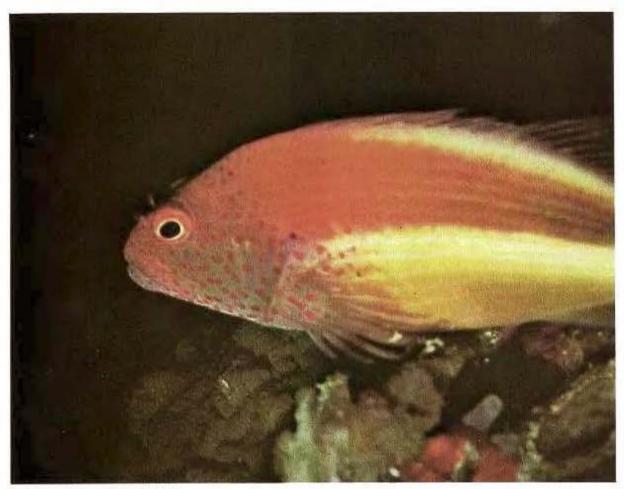
Dischistodus melanotus 346 6, 11-12 € ~ + 0 ♥ 🖬 🖾 24°C sg: 1.022 10 cm 100L



Dischistodus perspicillatus 346 6-9 2 < → ↑ ○ ▼ I □ 26°C sg: 1.022 16 cm 200L



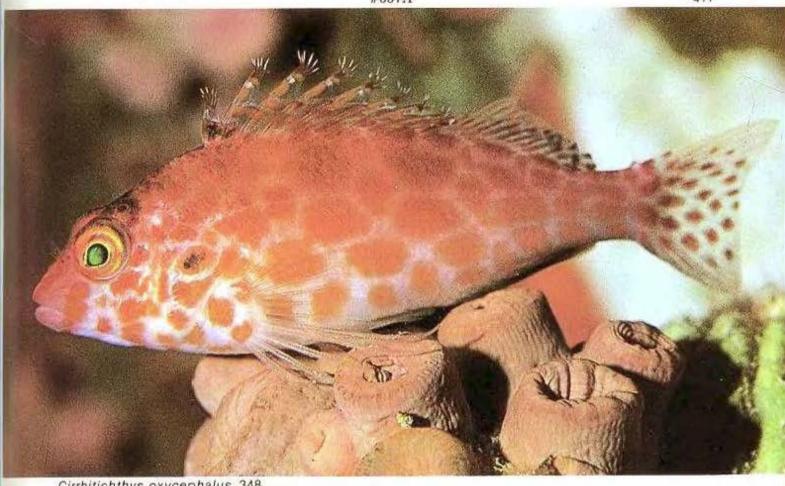
Mecaenichthys immaculatus 346 12 ♀ ❖ ❖ ① ♥ ➡ ㎞ 23°C sg: 1.024 10 cm 100L



Paracirrhites forsteri 348 6-10 ♀ • ♥ ★ 🗔 26°C sg: 1.022 25 cm 300L



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Cirrhitichthys bleekeri 348 9 % ♥ ♥ ➡ □ 26°C sg: 1.022 10 cm 100L



Cirrhitichthys guichenoti 348 9 ℃ ♥ ♥ 🗖 🗔 26°C sg: 1.022 11 cm 100L

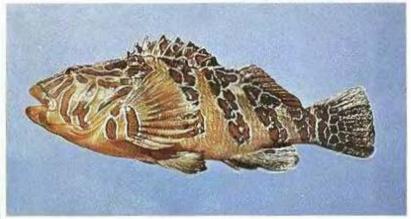


Cirrhitichthys aprinus 348 6-9 ♀ ✓ € ♥ 🖬 🗔 26°C sg: 1.022 7 cm 80L



Cirrhitichthys oxycephalus 348 3-10 € ◆ • □ □ 26°C sg: 1.022 8 cm 100L









Neocirrhitus armatus 348 6,8 € ~ (♥ क □ 26°C sg: 1.022 7.5 cm 80L



Cirrhitichthys falco 348 7 ° → • • □ □ 26°C sg: 1.022 5 cm 50L



Cirrhitus rivulatus 348 3 € ~ (♥ 🖪 🗆 26 °C sg: 1.022 50 cm 500L



Cirrhitus atlanticus 348 13 2 ~ € ♥ 6 □ 24°C sg: 1.023 19 cm 200L



Cyprinocirrhites sp. 348 6 2 ~ € ♥ 15 1 25°C sg: 1.022 12 cm 150L



Cirrhitops fasciatus 348 6.9 € S (V h ... 26°C sg: 1.022 13.cm 150L



Paracirrhites arcatus 348 6-9 % V I V II - 26°C sg: 1.022 14 cm 150L



Paracirrhites hemistictus 348 6 2 ✓ € ♥ ■ □ 26°C sg: 1.022 18 cm 200L



Cirrhitus pinnulatus 348 6-10 € ~ € ♥ 🖨 🗔 26°C sg; 1.022 25 cm 300L



Cyprinocirrhites polyactus 348 6-9 € ✓ (♥ 🖪 🗆 25°C sg: 1,022 12 cm 150L



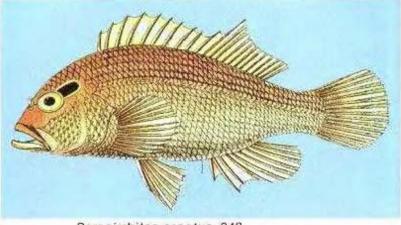
Paracirrhites forsteri 348 6-10 ≥ ~ (♥ 🗗 🗆 26°C sg: 1.022 25 cm 300L



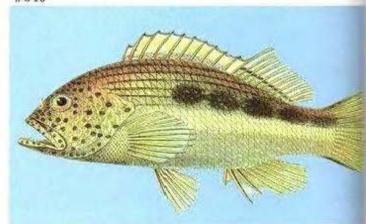
Paracirrhites hemistictus 348 6 ≥ ~ € ♦ • A = 26°C sg: 1.022 18 cm 200L



Oxycirrhitus typus 348 3, 6-10 € ~ • ▼ 🖈 🖃 26°C sg: 1.022 13 cm



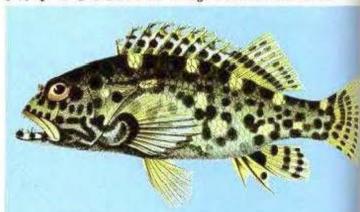
Paracirrhites arcatus 348 6-9 2 ~ € ♥ 🖬 🗔 26°C sg: 1.022 14 cm 150L



Paracirrhites forsteri 348 6-10 ♀ ❖ ● ▼ ➡ □ 26°C sg: 1.022 25 cm 300L



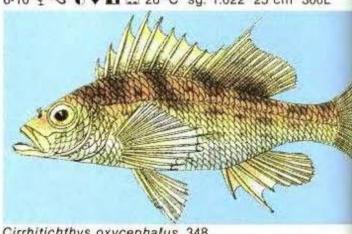
Cirrhites pinnulatus 348 6-10 ♀ ◆ ● ▼ ➡ □ 26°C sg: 1,022 25 cm 300L



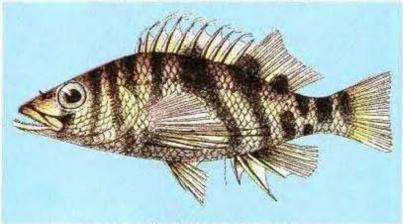
Cirrhitus pinnulatus 348 6-10 ♀ ◇ • ▼ 🖬 🗔 26°C sg: 1.022 25 cm 300L



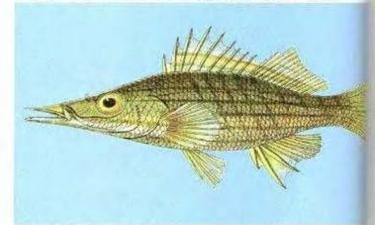
Cirrhitichthys aprinus 348 6-9 ♀ ◇ ● ▼ 🖬 🖃 26°C sg: 1.022 7 cm 80L



Cirrhitichthys oxycephalus 348 3-10 ♀ • ▼ ➡ □ 26°C sg: 1.022 8 cm 100L



Amblycirrhitus oxyrhynchus 348 7 2 ~ + € ♥ 📾 🗔 26°C sg; 1.022 8 cm 50L



Oxycirrhites typus 348 3, 6-10 ♀ • ▼ 🖬 🗔 26°C sg: 1.022 13 cm 150L



Amblycirrhitus pinos 348 2, 13 € ~ • • ★ 🗖 🖃 26°C sg: 1.022 68 cm 700L

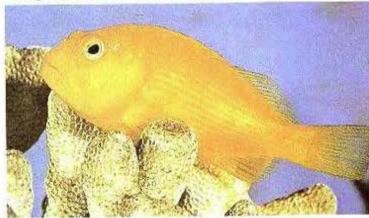






Chironemus marmoratus 349 11 ♀ ▽ ▼ ● ♥ ➡ □ 21°C sg: 1.024 35 cm 350L





Paracirrhites xanthus 348 62 5 1.022 51 cm 500L



Paracirrhites forsteri 348 7-10 ♀ ◇ ► ◆ ♥★ 🖬 🗔 26°C sg: 1.022 25 cm 300L



Threpterius maculosus 349 12% ~ • • • • = 24°C sg: 1.024 12 cm 150L



Aplodactylus meandritus 350 11% ◇ 、 ● 果 面 □ 22°C sg; 1,024 38 cm 400L



Chellodactylus zonatus 351 6, 7 € ◆ € ▼ 🖬 🖃 25°C sg: 1.022 45 cm 500L



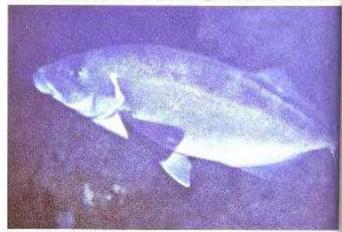
Nemadactylus macropterus 351 11 2 ~ • ○ ★ 🖬 🗔 22°C sg: 1.024 58 cm 600L



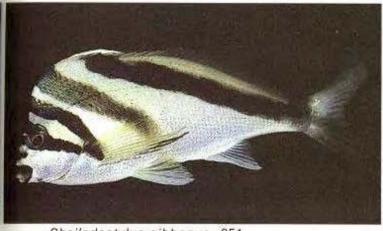








Latridopsis ciliaris 352 119 ◇ 、 ○ 火 南 四 22°C sg: 1.024 105 cm 120



Cheilodactylus gibbosus 351 8, 12 ♀ ◇ • ▼ ➡ ⊒ 24°C sg: 1.022 30 cm 300L







Cheilodactylus gibbosus 361 8, 12 → • • □ □ 25°C sg: 1.022 30 cm 300L





Cheilodactylus vittatus 351 6-7 2 ✓ € ♥ 🖪 🗔 26°C sg; 1.022 25 cm 300L



Cheilodactylus quadricornis 351 5, 79 • • ▼ 🖬 🗔 25°C sg: 1.022 40 cm 400L









Chirodactylus brachydactylus 351 99 ~ 0 ♥ ➡ □ 26°C sg: 1.022 40 cm 400L



Monodactylus argentus 328 6-10 2 → + C ♥ ₩ 🖾 26°C sg: 1.017 23 cm 250L



Cheilodactylus rubrolabiatus 351 12 € ~ € ♥ ➡ 🗔 24°C sg; 1.022 50 cm 500L

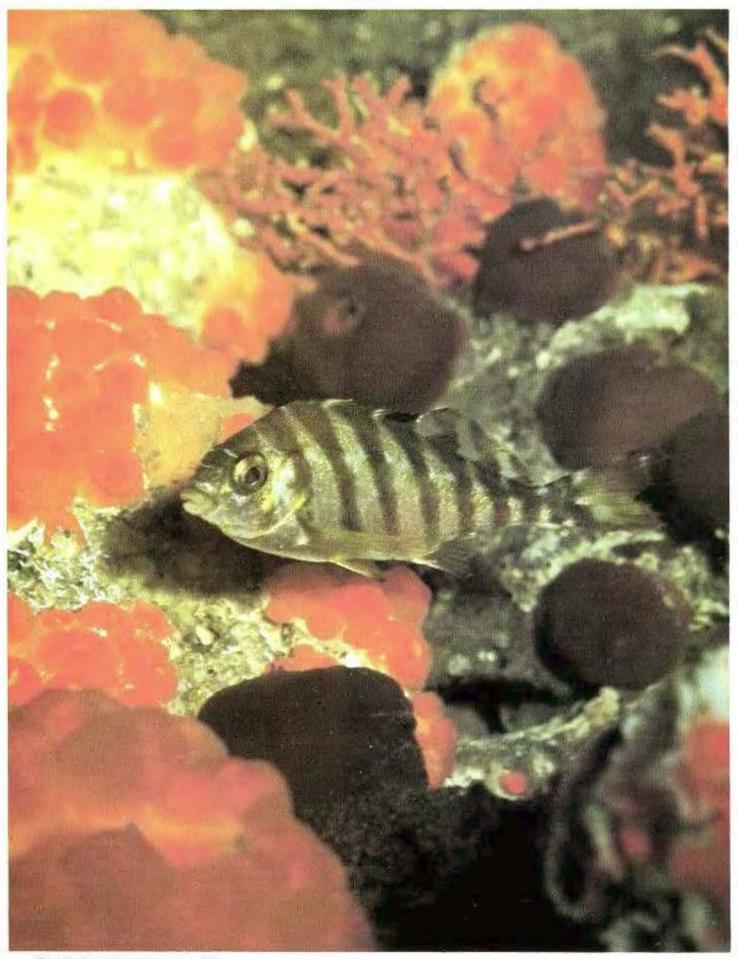


Dactylophora nigricans 351 12 € ~ € ♥ ★ □ 24 °C sg: 1.024 120 cm 1200L

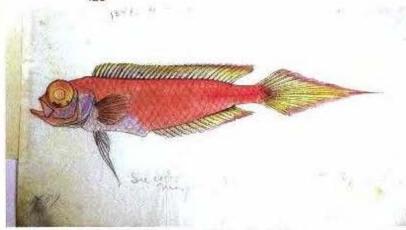




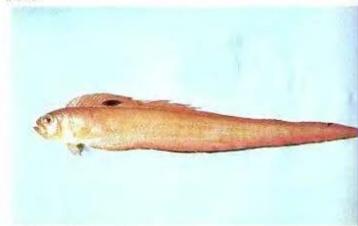
Monodactylus falciformes 328 9-10 2 ~ ↑ € ♥ № 25 26°C sg: 1.017 31 cm 300



Cheilodactylus zonatus 351 6, 7 ♀ ◇ ♥ ♥ ➡ 🗆 25°C sg: 1.022 45 cm 500L



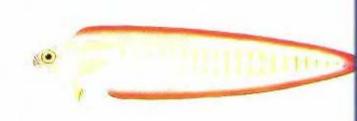
Owstonia grammodon (?) 353 7√√√√ 🖈 🕞 🖫 26°C sg: 1.022 23 cm 250L



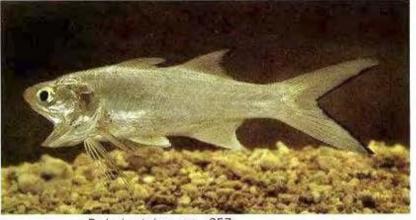
Acanthocepola limbata 354 7~ ~ € ※ 🖶 🗔 26°C sg: 1.022 41 cm 400L



Cepola australis 354 12√ √ € ★ 🖬 🗔 26°C sg: 1.022 38 cm 400L



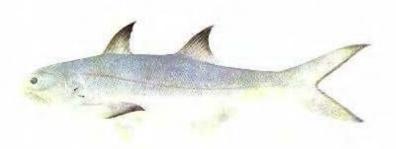
Acanthocepola indica 354 7
7
5
4
€ Indica 354
7
5
6
7
7
7
8
1.022
35
cm 400L



Polydactylus sp. 357 7~ ~ ○ 火 🚡 🗔 26°C sg: 1.022 30 cm 300L



Polydactylus virginicus 357 2~ ~ € V IN I 26°C sg: 1.022 30 cm 300L



Eleutheronema tetradactylum 357 Polydactylus sexfilis 357
7 → • • • ★ 🖬 🗀 26°C sg: 1.022 22 cm 200L 7-9 ~ • • • 🖬 🗔 26°C sg: 1.022 100 cm 1000L







Liza oligolepis 355 7 ℃ ℃ ♥ ➡ 🗀 26°C sg: 1.017 30 cm 300L



Liza saliens 355 15 9 ~ 0 ♥ ➡ □ 26°C sg: 1.010 40 cm 400L



Liza sp. 355 15 9 ~ C ♥ 🖾 🗀 26°C sg: 1.020 35 cm 400L



Liza vaigiensis 355 7-9 ♀ ◇ ▼ ○ ♥ ➡ □ 26°C sg: 1.020 60 cm 600L



Mugil cephalus 355 2 2 0 ▼ □ □ 26°C sg: 1.020 50 cm 500L



Liza valgiensis 355 7-9 ♀ ◇ € ♥ ➡ 🖾 26°C sg: 1.020 60 cm 600L



Aldrichetta forsteri 355 11 9 ~ C ♥ ➡ □ 22°C sg: 1.020 50 cm 500L

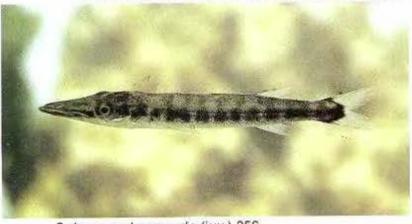


Sphyraena obtusata 356 7-10 → 0 ★ 庙 🖽 26°C sg: 1.022 90 cm 1000L



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Sphyraena jello 356 7-10 < € ★ 届 ⊟ 26°C sg: 1.022 125 cm 1500L



Sphyraena barracuda (juv.) 356 1-2, 7-10 、 ○ 火 局 ⊟ 25°C sg: 1.022 30 cm 2000L



Sphyraena barracuda 356 1-2, 7-10 、 ○ ★ 🕞 🖂 25°C sg: 1.022 200 cm 2000L



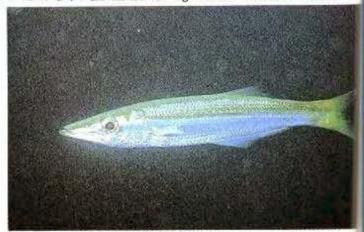
Sphyraena pinguis 356 5-7 • € ★ 📾 😑 26°C sg: 1.022 30 cm 300L



Sphyraena qenie 356 7-10 \$ ♠ ★ 🕞 🖽 26°C sg: 1.022 115 cm 1200L



Sphyraena argentea 356 3-4 √ ① ★ 函 ⊟ 26°C sg: 1.022 110 cm 1200L



Sphyraena flavicauda 356 7-9 \$ ♠ ★ ➡ 월 26°C sg: 1.022 50 cm 500L



Sphyraena barracuda 356 1-2, 7-10 < ♠ ★ 🖼 🖂 25°C sg: 1.022 200 cm 2000L

Sphyraena barracuda 356 1-2, 7-10 ★ ★ 🖻 😑 25°C sg: 1.022 200 cm 2000L

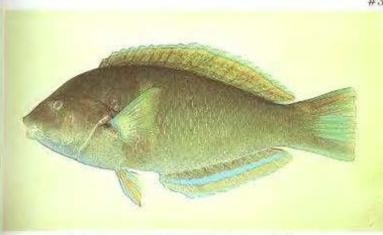


#348

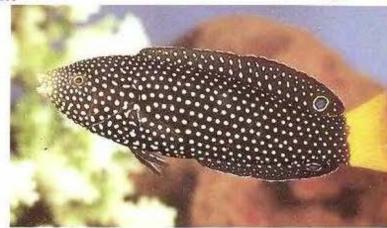
Paracheilinus filamentosus 358 7 🍑 (🔻 庙 🗁 26°C sg: 1.022 8 cm 100L



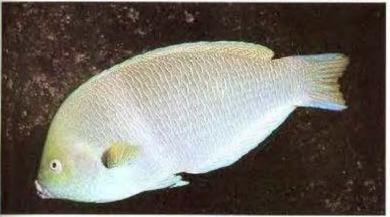
#348A 425



Anampses caeruleopunctatus 358 6-10 ✓ C ♥ 🖾 🖾 26°C sg: 1.020 40 cm 300L



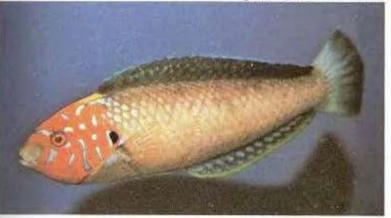
Anampses meleagrides 358
7-10 → ○ ▼ 📠 🖾 26°C sg: 1.020 22 cm 200L



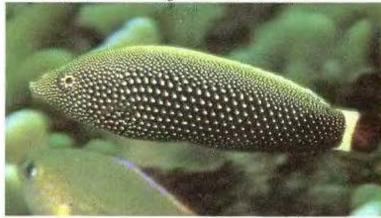
Anampses cuvier 358 6 > 0 ♥ ■ 🖾 26°C sg: 1.020 38 cm 300L



Anampses cuvier 358 6 ~ C ♥ № 🖾 🖾 26°C sg: 1.020 38 cm 300L



Anampses chrysocephalus 358 6 ℃ C ♥ 🖻 🖾 26°C sg: 1.020 16 cm 200L



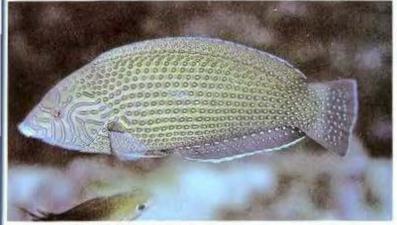
Anampses chrysocephalus 358 9 6 ~ C ♥ In to 26°C sg: 1.020 16 cm 200L



Anampses geographicus 358 6-9 ✓ C ♥ 📠 🖾 26°C sg: 1.020 25 cm 250L



Anampses neoguinaicus 358 7-8 ◇ C ♥ № 🖼 25°C sg: 1.020 14 cm 150L



Anampses caeruleopunctatus 358 6-10 ✓ O ♥ № № 26°C sg: 1.020 40 cm 300L



Anampses lineatus 358 9-10 ~ ○ ▼ 🕞 🖾 26°C sg: 1.020 12 cm 150L



Bodianus opercularis 358 7-9 ♀ ○ ♥ ➡ ➡ □ 26°C sg: 1.020 12 cm 150L



Bodianus axillaris 358 (juv.) 6-9 ♀ ○ ▼ ■ ☎ 26°C sg: 1.020 20 cm 250L



Anampses lennardi 358 7 ~ ○ ▼ 🗗 🖾 25°C sg: 1.020 25 cm 300L



Anampses twisti 358 6-10 ♥ ♥ ■ 🖾 26°C sg: 1,020 18 cm 200L



Bodianus bimaculatus 358 7 ℃ ♥ ➡ 🖾 26°C sg: 1.020 9 cm 100L



Bodianus axillaris 358 6-9 ♀ C ♥ ☎ ☎ 26°C sg: 1.020 20 cm 250L

Anampses lennardi 358 7 ∼ C ♥ ■ 🖾 25°C sg: 1.020 25 cm 300L



Anampses femininus 358 6 ~ C ♥ ➡ ☲ 26°C sg: 1.020 21 cm 200L



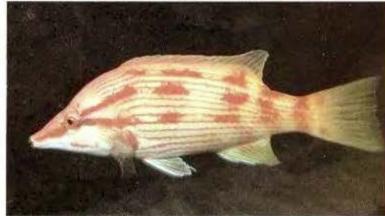
Pseudocoris bleekeri 358 7 ♥ ▶ □ 26°C sg: 1.022 15 cm 200L



Anampses elegans 358 11-12 ~ C ♥ ➡ ☒ 26°C sg: 1.020 28 cm 300L



Bodianus sp. 358 9 ℃ ♥ ★ 🖾 25°C sg: 1.020 21 cm 200L



Bodianus oxycephalus 358 7,9 ℃ ♥ № 🖾 25°C sg: 1.020 27 cm 300L



Bodianus speciosus 358 13 ~ C ♥ ➡ 🖾 26°C sg: 1.022 80 cm 800L



Bodianus masudai 358 5, 7 ℃ C ♥ 📠 🖾 26°C sg: 1.020 12 cm 200L



Bodianus bilunulatus 358 6-9 € € ★ № 26°C sg: 1.020 55 cm 600L



Bodianus macrourus 358 7-9 € C ♥ क 🖾 26°C sg: 1.020 40 cm 500L



Bodianus mesothorax 358 (Juv.) 7 € 0 ♥ 🕞 🖾 26°C sg: 1.020 30 cm 300L



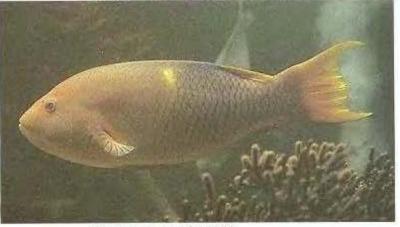
Bodianus mesothorax 358 7 € 0 ♥ 📠 🖾 26°C sg: 1.020 30 cm 300L



Bodianus diana 358 (juv.) 7-10 ♀ ○ ♥ ➡ 🖾 26°C sg: 1.020 25 cm 300L



Bodianus diana 358 (juv.) 7-10 № 🗗 🖾 26°C sg: 1.020 25 cm 300L



Bodianus perdito 358 6-9 ℃ ♥ ♠ ☲ 26°C sg: 1.020 80 cm 800L



Bodianus perdito 358 6-9 ℃ ♥ ➡ 🖾 26°C sg: 1.020 80 cm 800L



Bodianus bilunulatus 358 (juv.) 6-9 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 55 cm 600L



Bodianus anthioides 358 6-10 ~ C ♥ m 🖾 26°C sg: 1.020 21 cm 200L



Bodianus frenchii 358 7-9 1 0 ♥ 🚡 🖾 26°C sg: 1.020 50 cm 500L



Choerodon rubescens 358 12 ~ 0 ♥ 🖬 🖾 25°C sg: 1.020 75 cm 800L



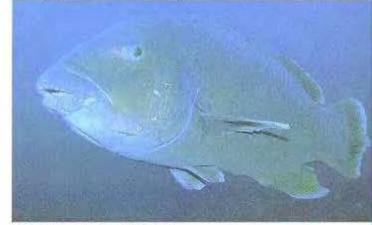
Bodianus bilunulatus 358 6-9 ℃ ♥ ➡ ☲ 26°C sg: 1.020 55 cm 600L



Bodianus diana 358 7-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 25 cm 300L



Bodianus macrourus 358 7-9 € C ♥ 🚾 🖾 26°C sg: 1.020 40 cm 500L



Achoerodus gouldii 358 8, 12 - 0 * 6 5 26°C sg: 1.020 125 cm 2000L

Bodianus rufus 358 2 ~ C ♥ ➡ 🖾 26°C sg: 1.020 50 cm 500L



Bodianus pulchellus 358 (juv.) 2 → C ♥ 🗗 🖾 26°C sg: 1.020 23 cm 300L



Bodianus eclancheri 358 3 € 0 ♥ 🖬 🖾 26°C sg: 1.020 25 cm 300L





Bodianus rufus 358 2 ~ C ♥ ➡ ☲ 26°C sg: 1.020 50 cm 500L



Bodianus pulchellus 358 2 ~ C ♥ m ⊆ 26°C sg: 1,020 23 cm 300L

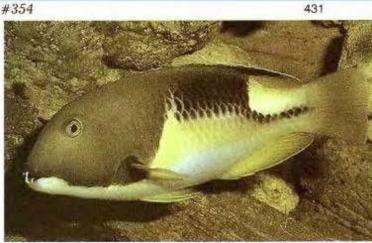


Bodianus eclancheri 358 3 9 0 ♥ 1 5 26°C sg: 1.020 25 cm 300L





Choerodon cyanodus 358 12 x ○ ▼ 🛅 🖾 26°C sg: 1.020 30 cm 300L



Choerodon anchorago 358 7-9 - ○ ♥ 🗗 🖾 26°C sg: 1.020 25 cm 300L



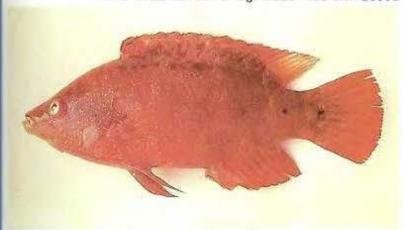




Choerodon schoenleinii 358 7 × 0 ♥ 🗟 🖾 26°C sg: 1.020 100 cm 2000L



Choerodon schoenleinii 358 7 × ○ ♥ 🕞 🖾 26°C sg: 1.020 100 cm 2000L





Cheilinus oxycephalus 358
7-9 ♀ ○ ▼ ■ □ 26°C sg; 1.020 17 cm 200L

Cheilinus unifasciatus 358
6-7 ¬ ○ ▼ ■ □ 26°C sg; 1.020 30 cm 300L



Cheilinus bimaculatus 358 7-9 ~ ○ ▼ 🗗 🖾 26°C sg: 1.020 15 cm 200L





Cheilinus digrammus 358 6-10 ➤ O ♥ 庙 🖾 26°C sg: 1.020 35 cm 400L



Cheilinus lunulatus 358 10 ★ C ♥ ➡ ☲ 27°C sg: 1,020 50 cm 500L



Cheilinus bimaculatus 358 7-9 → C ♥ ♠ 🖾 26°C sg: 1.020 15 cm 200L



Cheilinus digrammus 358 6-10 ≺ O ♥ ➡ ☲ 26°C sg: 1.020 35 cm 400L



Cheilinus fasciatus 358 6-9 ~ C ♥ 🔄 🖾 26°C sg: 1.020 35 cm 400L



Cheilinus trilobatus 358 6-9 → 0 ♥ № 🖾 🖾 26°C sg: 1.020 40 cm 400L

Plate #356



Cheilinus undulatus 358 6-10 ∼ → ○ ※ 🚡 🖾 26°C sg: 1.022 230 cm 5000L



Cheilinus chlorourus 358 6-9 → C ▼ 🕞 🖾 26°C sg: 1.020 36 cm 400L



Cirrhilabrus cyanopleura 358 ♀ 7 ❖ C ♥ 🖬 🖾 25°C sg: 1.020 15 cm 200L



© Cirrhilabrus exquisitus 358 6-9 ∼ C ♥ क 🖾 26°C sg: 1.020 11 cm 150L



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Cheilinus digrammus 358 6-10 → C ♥ ➡ ☒ 26°C sg: 1,020 35 cm 400L



Cirrhilabrus sp. 358 9 ~ C ♥ № 🖾 26°C sg: 1.020 10 cm 100L



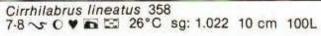
Cirrhilabrus cyanopleura 358 7 ~ C ♥ ■ ☑ 25°C sg: 1.020 15 cm 200L



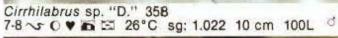
Cirrhilabrus exquisitus 358 6-9 ◇ C ♥ 🗗 🖾 26°C sg: 1.020 11 cm 150L













Cirrhilabrus cyanopleura 358 5,7 ~ ○ ♥ 🗖 🖾 26°C sg: 1.022 9 cm 100L



Cirrhilabrus jordani 358 6 ~ C ♥ 📠 🖾 26°C sg: 1.022 10 cm 100L



Cirrhilabrus scottorum 358



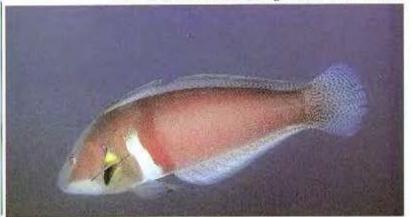


Cirrhilabrus lubbocki 358 7 ∼ C ♥ 🖪 🖾 26°C sg: 1.022 7 cm 100L





Conniella apterygia 358 12 → O ♥ 🕞 🖾 24°C sg: 1.020 8 cm 100L



Coris auricularis 358 12 ℃ ○ ♥ ➡ 🖾 24°C sg: 1.020 32 cm 400L



Coris aygula 358 (luv.) 6-10 ♀ ○ ♥ ➡ ➡ 26°C sg: 1.020 120 cm 2000L



Coris variegata 358 6-10 ♀ C ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L



Coris caudimacula 358 7-10 ♀ ○ ♥ ➡ ☲ 26° C sg: 1.020 20 cm 200L



Coris auricularis 358 (juv.) 12 № 0 ♥ 📠 🖾 24°C sg: 1.020 32 cm 400L



Coris aygula 358 6-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 120 cm 2000L



Coris variegata 358 6-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L





Coris auricularis 358 (juv.) 12 ♀ (♥ 🖾 🖾 24°C sg: 1.020 32 cm 400L



Coris flavovittata 358 6 € 0 ♥ 🖾 🖾 26°C sg: 1.020 45 cm 500L



Coris caudimacula 358 ♀ 7-10 ♀ ○ ♥ 때 전 26°C sg: 1.020 20 cm 200L



Coris venusta 358 6 9 C ♥ 🗔 🖾 26°C sg: 1.020 15 cm 200L 6 9 C ♥ 🖾 🖾 26°C sg: 1.020 35 cm 400L



Coris auricularis 358 12 ♀ ○ ♥ ➡ ➡ 24°C sg: 1.020 32 cm 400L ♀



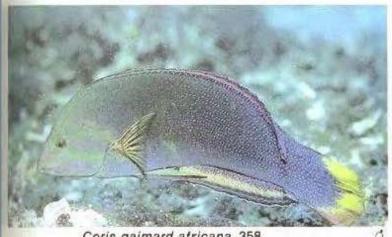
Coris flavovittata 358 6 ℃ C ♥ 🗔 🖾 26°C sg: 1,020 45 cm 500L

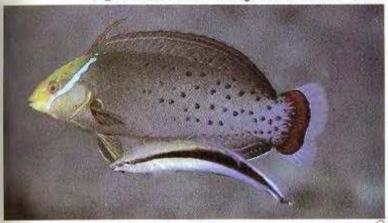


Coris caudimacula 358 7-10 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.020 20 cm 200L



Coris ballieui 358





Coris formosa 358 9 ℃ ♥ 🖾 🖾 26°C sg: 1.020 60 cm 800L



Coris formosa 358 9 ♀ ○ ♥ ➡ ➡ 26°C sg: 1.020 60 cm 800L



Diproctacanthus xanthurus 358 7 ✓ 0 ♥ 🖬 🖾 26°C sg: 1.020 10 cm 100L



Coris gaimard africana 358 (juv.) 9 ♀ ○ ♥ ➡ ➡ 26°C sg: 1.020 35 cm 400L



Coris formosa 358 (juv.) 9 ♀ ○ ♥ ➡ 🖾 26°C sg: 1.020 60 cm 800L

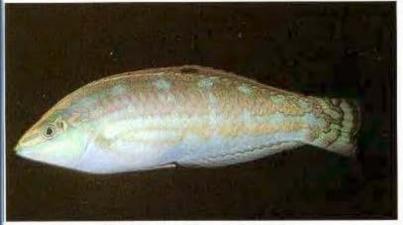


Epibulus insidiator 358 6-10 ♀ ○ ♥ ➡ ☳ 26°C sg; 1.022 35 cm 400L



Gomphosus varius 358 7-9 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 30 cm 300L

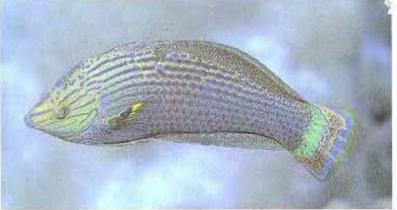
440 Plate #363



Halichoeres biocellatus 358 7 ℃ ♥ 🗔 🖾 26°C sg: 1.020 10 cm 100L



Halichoeres trispilus 358 9 ♀ ○ ♥ 🔜 🖾 26°C sg: 1.020 10 cm 100L





Halichoeres scapularis 358 ♀ 9-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L



Halichoeres chrysus 358 7 ℃ ♥ 🐷 🖾 26°C sg: 1.020 10 cm 100L



Halichoeres nebulosus 358 7-9 ♀ ○ ♥ ➡ ☳ 26°C sg: 1.020 11 cm 100L



Halichoeres marginatus 358 ♀ 6-10 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.020 18 cm 200L



Halichoeres scapularis 358 ♂ 9-10 ♀ ○ ♥ ፫ 26°C sg: 1.020 20 cm 200L



Halichoeres prosopeion 358 (juv.) 7 ½ (♥ ➡ E 26°C sg: 1.020 17 cm 200L



Halichoeres prosopeion 358 7 ½ () ♥ ≅ 26°C sg: 1.020 17 cm 200L



Halichoeres zeylonicus 358 9 ♀ ♥ ➡ 陸 26°C sg: 1.020 17 cm 200L



Halichoeres hartzfeldii 358 7 ♀ (♥ 👼 🖾 26°C sg: 1.020 18 cm 200L





Hallchoeres iridis 358 (Juv.) 9 ♀ ○ ♥ 🖾 🖾 26°C sg: 1.020 11 cm 100L



Halichoeres brownfieldi 358 (luv.) 12 ♀ C ♥ 📼 🖾 26°C sg: 1.020 15 cm 200L



Halichoeres brownfieldi 358 12 € C ♥ 🖾 🖾 26°C sg: 1.020 15 cm 200L



Halichoeres pelicieri 358 9 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 15 cm 200L



Halichoeres melasmopomas 358 7, 9 ♀ ○ ♥ ➡ ➡ 26°C sg: 1,020 12 cm 100L



Halichoeres cosmetus 358 ♀ 9 ♀ ○ ♥ ➡ 🖾 26°C sg: 1.020 11 cm 100L



Halichoeres timorensis 358 ♂ 7 ℃ ♥ ➡ ☎ 26°C sg: 1.020 20 cm 200L



Halichoeres timorensis 358 (juv.) 7 ℃ ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L



Halichoeres melanurus 358 7 ℃ ♥ 🖾 🖾 26°C sg: 1.020 12 cm 100L



Halichoeres iridis 358 (juv.) 9 ♀ ○ ♥ ➡ 🖾 26°C sg: 1.020 11 cm 100L



Halichoeres melanochir 358 7 ℃ ♥ ➡ ☎ 26°C sg: 1.020 18 cm 200L

Halichoeres argus 358 (juv.) 7 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 12 cm 100L



Halichoeres argus 358 7 ℃ ♥ ➡ ☎ 26°C sg: 1.020 12 cm 100L



Halichoeres biocellatus 358 (juv.) 7 9 0 ♥ ₩ 2 26°C sg: 1.020 10 cm 100L



Halichoeres biocellatus 358 7 9 0 ♥ 🚍 🖾 26°C sg: 1.020 10 cm 100L



Halichoeres hoeveni 358 (juv.) 6-7 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 12 cm 100L



Halichoeres melanurus 358 7 ♀ ○ ♥ 🔜 🖾 26°C sg: 1.020 12 cm 100L



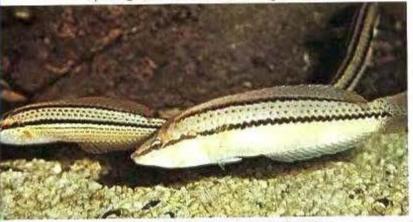




Halichoeres nigrescens 358 7, 12 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 30 cm 400L



Halichoeres marginatus 358 (juv.) 6-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 18 cm 200L



Halichoeres poecilopterus 358

7 € € ₹ \$\text{\$\cup \text{\$\cup \





Halichoeres margaritaceus 358
6-8 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 12 cm 100L 6-8 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 12 cm 100L





Halichoeres nebulosus 358 7-9 9 C ♥ 🖾 🖾 26°C sg: 1.020 11 cm 100L



Halichoeres trimaculatus 358 7 ℃ ♥ ➡ ➡ 26°C sg: 1,020 18 cm 200L

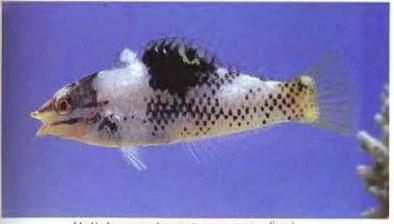
Plate #368 445



Halichoeres chloropterus 358 (juv.) 7 ♀ ○ ♥ 🖾 🖾 26°C sg: 1.020 15 cm 200L



Halichoeres chloropterus 358 7 ℃ ♥ ➡ ☲ 26°C sg: 1.020 15 cm 200L



Halichoeres hortulanus 358 (juv.) 6-10 ♀ C ♥ ➡ ☱ 26°C sg: 1.020 22 cm 300L



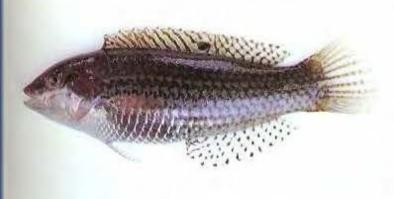
Halichoeres hortulanus 358 d 6-10 ♀ C ♥ ➡ ☲ 26°C sg: 1.020 22 cm 300L



Halichoeres melanochir 358 7 € O ♥ 🖾 🖾 26°C sg: 1.020 18 cm 200L



Halichoeres podostigma 358 6-7 ♀ ○ ♥ 🚍 🖾 26°C sg: 1.020 16 cm 200L



Halichoeres miniatus 358 7-8 º ○ ♥ ➡ ₾ 26°C sg: 1.020 10 cm 100L



Halichoeres ornatissimus 358 6-7 € O ♥ 🔜 🖾 26°C sg: 1.020 18 cm 200L

Halichoeres cyanocephalus 358 (Juv.) 2 ♀ ○ ♥ 🖾 🖾 26°C sg: 1.020 30 cm 300L



Halichoeres cyanocephalus 358 ♂ 2 ♀ ① ♥ ➡ 呸 26°C sg: 1,020 30 cm 300L



Halichoeres maculipinna 358 ♀ 2 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 18 cm 200L





Halichoeres poeyi, (juv.) 358 2 ℃ ♥ 🖾 🖾 26°C sg: 1.020 20 cm 200L

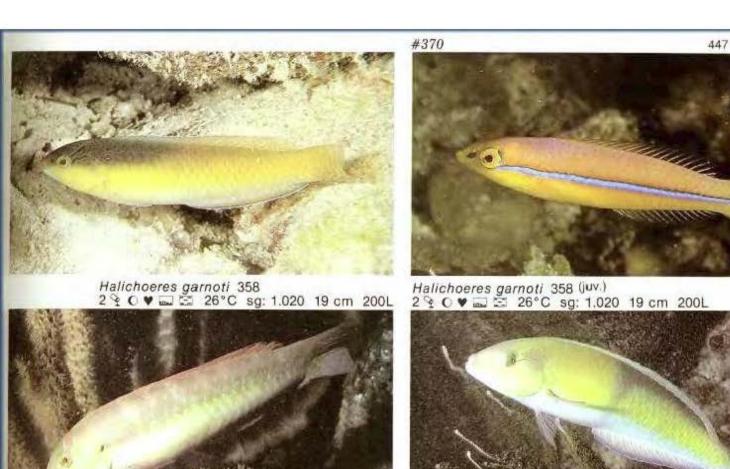


Halichoeres poeyi 358 ♂ 2 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L





Halichoeres bathyphilus 358
2 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 23 cm 300L 2 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 13 cm 150L









Halichoeres bivittatus 358 2 9 C ♥ 🖾 🖾 26°C sg: 1.020 22 cm 300L

Halichoeres bivittatus 358 ♀ 2 ♀ ○ ♥ ➡ 26°C sg: 1.020 22 cm 300L





Halichoeres radiatus 358 2 ♀ ○ ♥ 🖾 🖾 26°C sg: 1.020 46 cm 500L



Halichoeres semicinctus 358 3 ♀ ○ ♥ 🖾 🖾 24°C sg: 1.020 36 cm 400L



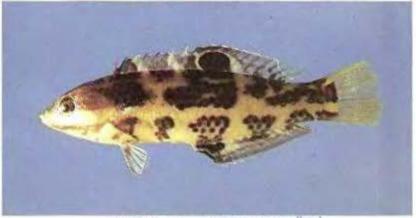
Halichoeres chierchiae 358 3 ℃ ♥ ➡ ಠ 26°C sg: 1.020 20 cm 200L



Halichoeres nicholsi 358 3 ℃ 0 ♥ 🔜 🖾 26°C sg: 1.020 38 cm 400L



Halichoeres nicholsi 358 3 ℃ 0 ♥ 🖾 🖾 26°C sg: 1.020 38 cm 400L



Halichoeres nicholsi 358 (juv.) 3 ℃ ♥ 🔤 🖾 26°C sg: 1.020 38 cm 400L



Halichoeres sp. 358 3 ℃ ♥ ➡ ₾ 26°C sg: 1.020 12 cm 100L



Q Halichoeres dispilus 358
Q Q ♥ ➡ ☎ 26°C sg: 1.020 20 cm 200L

Halichoeres dispilus 358
3 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 20 cm 200L





Gomphosus varius 358 7-9 ♀ ○ ♥ ➡ ﷺ 26°C sg: 1.020 30 cm 300L



Gomphosus caeruleus 358 9-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 28 cm 300L



Gomphosus varius 358 7-9 ♀ ○ ♥ ➡ 🖾 26°C sg: 1.020 30 cm 300L



Hologymnosus annulatus 358 (juv.) 7-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 40 cm 400L



Epibulus insidiator 358 6-10 € C ♥ 🖬 🖾 26°C sg: 1.022 35 cm 400L



Epibulus insidiator 358 (juv.) 6-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 35 cm 400L

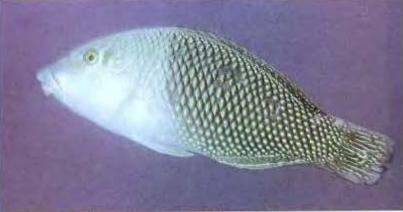


Pteragogus flagellifer 358
9 ♀ ○ ♥ 📠 🖾 26°C sg: 1.020 20 cm 200L
9 ♀ ○ ♥ 📠 🖾 26°C sg: 1.020 15 cm 200L





Hemigymnus fasciatus (juv.) 358 7-10 ♀ ○ ▼ ➡ ☲ 26°C sg: 1.020 40 cm 400L



Hemigymnus melapterus 358 6-10 ♀ ○ ♥ 🖬 🖾 26°C sg: 1.020 90 cm 1000L



Hologymnosus doliatus 358 (juv.) 6-10 ~ ~ ○ ▼ 🕞 🖾 26°C sg: 1.020 45 cm 500L



Hologymnosus doliatus 358 6-10 ~ ~ ○ ♥ 🕞 🖾 26°C sg: 1.020 45 cm 500L



Hemigymus fasciatus 358 7-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.020 40 cm 400L



Hologymnosus annulatus 358 7-10 ♀ ○ ♥ ➡ ➡ 26°C sg: 1.020 40 cm 400L



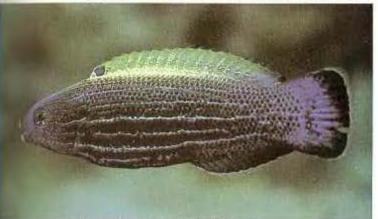
Hologymnosus doliatus 358 6-10 ○ ▼ 🚡 🖾 26°C sg: 1.020 45 cm 500L



Pteragogus pelycus 358 9 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 15 cm 200L



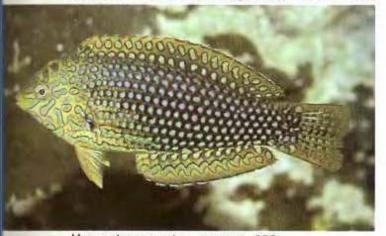
Labrichthys unilineatus 358 (juv.) 6-10 ♀ ○ ♥ 📠 26°C sg: 1.020 18 cm 200L



Labropsis xanthonota 358 6-9 ~ ○ ▼ 🕞 🖾 26°C sg: 1.020 10 cm 100L



Macropharyngodon bipartitus 358 9-10 9 0 ♥ 🖬 🖾 26°C sg: 1.020 11 cm 100L



Macropharyngodon ornatus 358 7-9 ♀ ○ ♥ 📠 🖾 26°C sg: 1.020 12 cm 100L



Labrichthys unilineatus 358 6-10 ♀ ○ ♥ 📠 🖾 26°C sg: 1.020 18 cm 200L



Larabicus quadrilineatus 358 10 ♀ ○ ♥ 🖬 🖾 27°C sg: 1.030 12 cm 100L



Macropharyngodon cyanoguttatus 358 9 ℃ ♥ 🖬 🖾 26°C sg: 1.020 12 cm 100L



Cheilio inermis 358 6-10 9 O ♥ 1 5 26°C sg: 1.020 50 cm 500L



Lienardella fasciata (juv.) 358 7-8 → 0 ♥ 🚡 🖾 26°C sg: 1.020 30 cm 300L



Lienardella fasciata (adult) 358 7-8 ≺ O ♥ 📠 🖾 26°C sg: 1.020 30 cm 300L



Macropharyngodon choati (juv.) 358 8 ~ ○ ♥ 🖬 🖾 26°C sg: 1.020 10 cm 100L



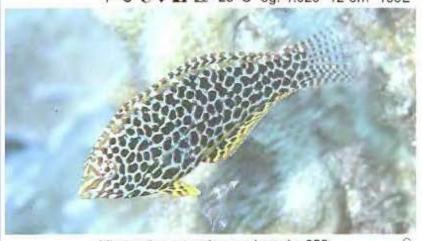
Macropharyngodon choati (adult) 358 8 ~ ○ ♥ 🖬 🖾 26°C sg: 1.020 10 cm 100L



Macropharyngodon negrosensis 358 7 ~ ○ ♥ 🚡 🖾 26°C sg; 1.020 12 cm 100L



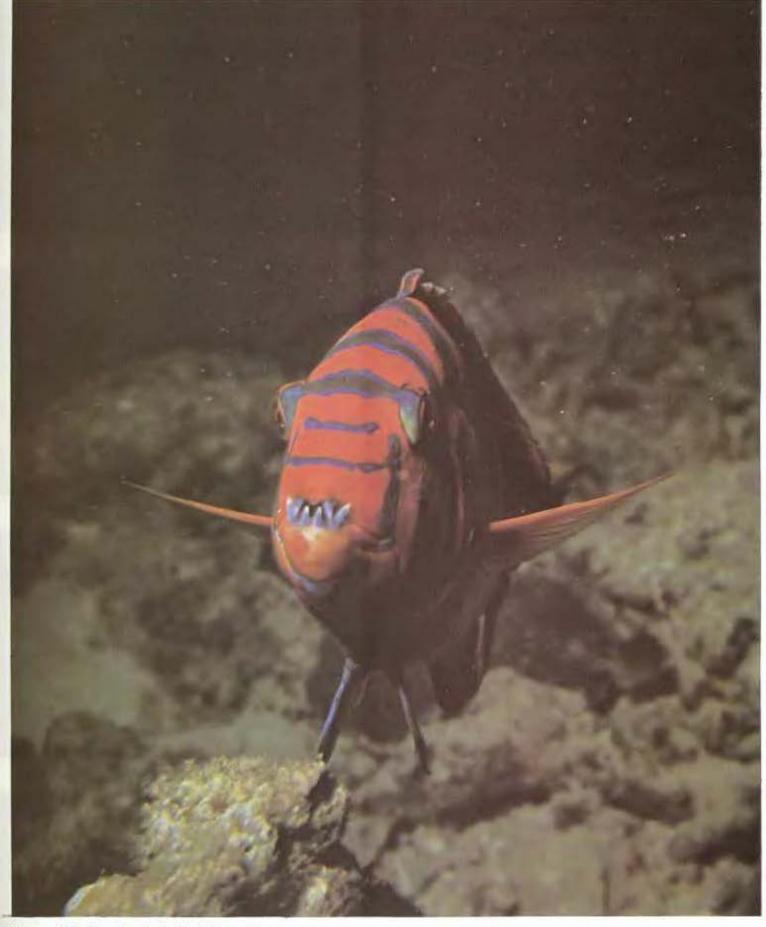
Macropharyngodon geoffroyi 358 6-7 ✓ C ♥ 📠 🖾 26°C sg: 1.020 15 cm 200L



Macropharyngodon meleagris 358 ♀ 6-9 ◇ C ♥ 🖬 🖾 26°C sg: 1.020 15 cm 200L



Macropharyngodon meleagris 358 d 6-9 → C ♥ 🖻 🖾 26°C sg: 1.020 15 cm 200L



Lienardella fasciata(adult) 358 7-8 ≺ C ♥ 🗗 🖾 26°C sg: 1.020 30 cm 300L



Stethojulis interrupta 358 7-9 ~ ○ ♥ 🕞 🖾 26°C sg: 1.020 13 cm 100L





Stethojulis strigiventer 358 6-9 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.022 15 cm 200L



Labropsis alleni 358 6-7 ~ C ♥ ➡ ☱ 26°C sg: 1.020 8 cm 100L



Labropsis micronesica 358 6 ~ ○ ▼ 🖬 🖾 26°C sg: 1.020 8 cm 100L



Labropsis xanthonota 358 6-9 ~ 0 ♥ m 🖾 26°C sg: 1.020 10 cm 100L



Wetmorella nigropinnata 358 6-10 ○ ▼ 🖬 🖾 26°C sg: 1.020 7 cm 100L



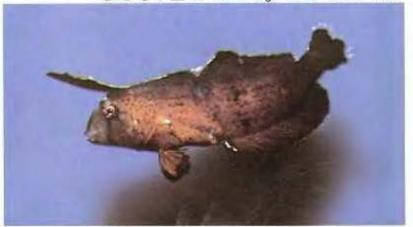
Labropsis manabei 358 7 ℃ 0 ¥ m 🖾 26°C sg: 1.020 12 cm 100L



Xyrichthys splendens 358 2 ~ ○ ♥ ➡ ☲ 26°C sg: 1.022 14 cm 100L



Xyrichthys splendens 358 2 ~ C ♥ ➡ ত 26°C sg: 1.022 14 cm 100L



Xyrichthys pavo (juv.) 358 3, 6-10 ~ ○ ♥ ➡ ≅ 26°C sg: 1.022 35 cm 400L 2 ~ ○ ♥ ➡ ≅ 26°C sg: 1.022 15 cm 200L

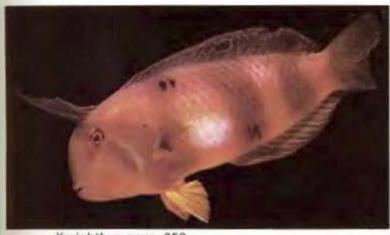


Xyrichthys novacula 358 2, 13 → O ♥ 🖾 🖾 26°C sg: 1.022 22 cm 200L



Xyrichthys martinicensis 358 ♂ 2~ ○ ▼ 🖾 26°C sg: 1.022 15 cm 200L





Xyrichthys pavo 358 3, 6-10 → C ♥ ➡ ☲ 26°C sg: 1.022 35 cm 400L



Xyrichthys sp. 358 6 ~ C ♥ 🖾 🖾 26°C sg: 1.022 12 cm 100L



Xyrichthys pavo 358 3, 6-10 ✓ O ♥ ➡ ☲ 26°C sg: 1.022 35 cm 400L



Xyrichthys dea (juv.) 358 7 ~ € ♥ 🔙 🖾 26°C sg: 1.022 30 cm 300L



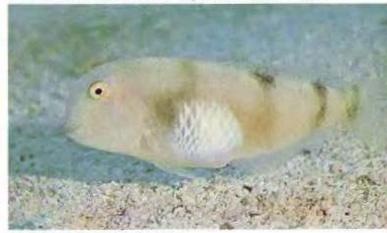
Xyrichthys pentadactylus 358 ♀ 7-10 ❖ ♥ ➡ ☒ 26°C sg: 1.022 25 cm 300L



Xyrichthys pentadactylus 358 ♂ 7-10 ❖ ○ ♥ ➡ ☲ 26°C sg: 1.022 25 cm 300L



Xyrichthys verrens 358 7 ~ 0 ♥ ➡ ☒ 26°C sg: 1.022 30 cm 300L



Xyrichthys aneitensis 358 6-7 → 0 ♥ ➡ ☎ 26°C sg: 1.022 25 cm 300L



Xyrichthys pavo 358 3, 6-10 → ○ ♥ ➡ ➡ 26°C sg: 1.022 35 cm 400L



Novaculichthys taeniourus 358 6-10 < ○ ★ 🖾 🖾 26°C sg: 1.022 27 cm 300L



Novaculichthys macrolepidotus 358 7-10 → C ♥ 🖾 🖾 26°C sg: 1.022 13 cm 100L



Pseudocheilinus hexataenia 358 6-10 ~ ○ ♥ ➡ ➡ 26° C sg: 1,022 10 cm 100L



Xyrichthys pavo 358 3, 6-10 ✓ C ♥ 🗔 🖾 26°C sg: 1.022 35 cm 400L



Novaculichthys taeniourus 358 (juv.) 6-10 → ○ ★ 🖾 🖾 26°C sg: 1.022 27 cm 300L



Pseudocheilinus evanidus 358 6-10 ✓ O ♥ ➡ ☲ 26°C sg: 1.022 8 cm 100L



Pseudocheilinus octotaenia 358 6-10 ~ ○ ♥ ➡ 26°C sg: 1.022 12 cm 100L



Paracheilinus filamentosus 358 7 ∼ 0 ♥ 🚡 🖾 26°C sg: 1.022 8 cm 100L



Paracheilinus carpenteri 358 7 ~ C ♥ № 日 26°C sg: 1.022 7 cm 100L



Pseudocoris yamashiroi 358 5,7 ∼ C ♥ 🖾 🖾 26°C sg: 1.022 15 cm 200L



Paracheilinus lineopunctatus 358 ♂ 7 ~ ○ ♥ ☎ 26°C sg: 1.022 7 cm 100L



Minilabrus striatus 358 10 ~ € ♥ 🖾 🖾 26°C sg: 1.030 4 cm 50L



Paracheilinus octotaenia 358 10 ~ C ♥ I ☑ ☑ 27°C sg: 1,030 9 cm 100L



Ophthalmolepis lineolatus 358 12 ℃ ♥ ➡ ☲ 24°C sg: 1,020 40 cm 400L



Pseudojuloides erythrops 358 ♀ S ♥ ■ ■ 26°C sg: 1.022 9 cm 100L





Pseudocoris yamashiroi 358 7 → 0 ♥ ➡ 🖾 26°C sg: 1.022 15 cm 200L



Ophthalmolepis lineolatus 358 ♀ 12 ♀ ○ ♥ ➡ ☱ 24°C sg: 1.020 40 cm 400L



Pseudojuloides erythrops 358 9 ~ C ♥ ➡ ☲ 26°C sg: 1.022 9 cm 100L



Pseudojuloides cerasinus 358 6-9 → ○ ♥ ☑ ☑ 26°C sg: 1.022 12 cm 100L



Pseudojuloides sp. 358 7 ~ ○ ♥ 🔤 🖾 26°C sg: 1.022 10 cm 100L



Pseudojuloides cerasinus 358 6-9 ∽ C ♥ ➡ ☒ 26°C sg: 1.022 12 cm 100L



Pseudojulis melanotus 358 3 ∕ C ♥ ➡ 🖾 26°C sg: 1.022 20 cm 200L



Pseudojuloides elongatus 358 7-8, 12 → 0 ♥ 🕳 🖾 25°C sg: 1.022 14 cm 100L



Pseudojulis notospilus 358 3 ~ C ♥ ➡ ඏ 26°C sg: 1.022 25 cm 300L



Pseudojulis notospilus 358 3 ~ ○ ♥ 🖾 🖾 26°C sg: 1.022 25 cm 300L





Pseudocheilinus tetrataenia 358 6 ∼ C ♥ 📼 🖾 26°C sg: 1.022 12 cm 100L



Cirrhilabrus blatteus 358 10 ✓ € 🕶 🖾 26°C sg: 1.028 10 cm 100L





Pictilabrus sp. 358 7, 12 ✓ • • □ № 26°C sg: 1.022 14 cm 150L



Pseudolabrus biserialis 358 7 ~ € ♥ m 🖾 25°C sg: 1.022 20 cm 200L



Cirrhilabrus blatteus 358 ♀ 10 ▽ 10 ♥ In ⊠ 26°C sg: 1.028 10 cm 100L



Leptojulis chrysotaenia 358 7 ♥ ♥ ➡ ☲ 26°C sg: 1.022 6 cm



Pictilabrus laticlavius 358 7, 12 → C ♥ 🗗 🖾 26 °C sg: 1,022 20 cm 200L



Pictilabrus laticlavius 358 7, 12 ~ C ♥ ■ 🖾 26°C sg: 1.022 20 cm 200L



Semicossyphus pulcher 358 3-4 → 0 🗴 🚾 🖾 22°C sg: 1.024 91 cm 1500L



Semicossyphus pulcher 358 3-4 ~ € 🛠 🖼 🖾 22°C sg: 1.024 91 cm 1500L



Semicossyphus reticulatus 358 (juv.) 7 ◇ O ★ 曜 🖾 26°C sg: 1.022 100 cm 2000L



(juv.) Semicossyphus reticulatus 358 000L 7 → 0 🗴 🖼 🖾 26°C sg: 1.022 100 cm 2000L



Pseudolabrus milesi 358 11-12 → ○ ▼ 1 22°C sg: 1.024 38 cm 400L



Eupetrichthys angustipes 358 12 ~ ○ ♥ № 🖾 22°C sg: 1.024 15 cm 400L



Dotalabrus aurantiacus 358 Dotalabrus sp. 358
12 ∨ C ♥ № № № 23°C sg: 1.022 20 cm 200L 12 ∨ C ♥ № № 23°C sg: 1.022 9 cm 100L





Suezichthys gracilis 358 5, 7, 8, 12 ○ ♥ 🔄 26°C sg: 1.022 15 cm 200L



Pseudolabrus gymnogenis 358

Q Pseudolabrus luculentus 358
12 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 38 cm 450L 11-12 ♀ ○ ♥ ➡ ☲ 26°C sg:



Pseudolabrus inscriptus 358 11 ℃ ♥ 🕞 🖾 26°C sg: 1.022 25 cm 300L



Pseudolabrus japonicus 358 5, 7 № C ♥ 🖬 🖾 26°C sg: 1.022 25 cm 300L



Suezichthys gracilis 358 5, 7, 8, 12 ✓ C ♥ 🚡 🖾 26°C sg: 1.022 15 cm 200



11-12 € C V I S 26°C sg: 1.022 24 cm 300L



Pseudolabrus celidotus 358 11 2 0 ♥ ➡ ₺ 26°C sg; 1.022 24 cm 300L



Pseudolabrus guntheri 358 8 ℃ ♥ 🖬 🖾 26°C sg: 1.022 18 cm 200L

Plate #388 465



Pseudolabrus biserialis 358 12 ♀ ○ ♥ ➡ ➡ 24°C sg: 1.022 20 cm 200L



Pseudolabrus parilus 358 12 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.022 45 cm 500L



Stethojulis bandanensis 358 ♂ 7 ~ O ♥ ☎ 26°C sg: 1.022 15 cm 200L



Stethojulis strigiventer 358 ♀ 6-9 ♀ ○ ▼ 🖾 🖾 26°C sg: 1.022 15 cm 200L



Thalassoma amblycephalum 358 7-9 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.022 16 cm 200L



Thalassoma amblycephalum 358 ♀ 7-9 ♀ ○ ▼ ➡ ☲ 26°C sg: 1.022 16 cm 200L



Thalassoma genivittatum 358 ♂ 9 ♀ ○ ♥ ➡ ☱ 26 ° C sg: 1.022 20 cm 200L



Thalassoma hardwicke 358 ♂7-9 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 18 cm 200L



Thalassoma lucasanum 358 (juv.) 3 ℃ ♥ 🖾 🖾 26°C sg: 1.022 15 cm 200L



Thalassoma lucasanum 358 d 3 € (♥ 🖾 🖾 26 °C sg: 1.022 15 cm 200L



Thalassoma bifasciatum 358 2 ℃ ♥ 🔤 🖾 26°C sg: 1.022 15 cm 200L



Thalassoma bifasciatum 358 2 € C ♥ IIII 🖾 26°C sg; 1.022 15 cm 200L



Thalassoma jansenii 358 7 € 0 ♥ 🗔 🖾 26°C sg: 1.022 20 cm 200L



Thalassoma bifasciatum 358 2 € C ♥ 🖂 🖾 26°C sg; 1.022 15 cm 200L



Thalassoma ballieui 358 6 € C ♥ 🖾 🖾 26°C sg: 1.022 45 cm 500L



Thalassoma duperrey/ 358 6 € 0 ♥ 🚾 🖾 26°C sg: 1.022 30 cm 300L

Plate #390 467



Thalassoma hebraicum 358 7-9 ℃ ♥ ➡ ₾ 26°C sg: 1.022 18 cm 200L



Thalassoma lunare 358 ♂ 6-10 ♀ ○ ♥ ➡ ☲ 26° C sg: 1.022 25 cm 300L



Thalassoma quinquevittatum 358 ♂ 6-9 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 17 cm 200L



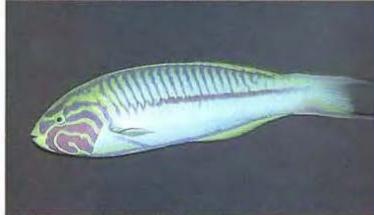
Thalassoma genivittatum 358 9 ♀ ○ ♥ ☲ ☲ 26°C sg: 1.022 20 cm 200L



Thalassoma hebraicum 358 7-9 ♀ ○ ♥ ➡ 竺 26°C sg: 1.022 18 cm 200L



Thalassoma lutescens 358 ♂ 7 ♀ ○ ♥ ➡ ☲ 26 °C sg: 1.022 15 cm 200L



Thalassoma klunzingeri 358 ♂ 10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.030 20 cm 200L



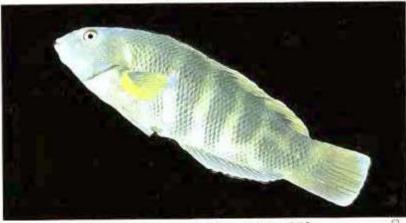
Pseudodax moluccanus 358 6-10 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 25 cm 300L



Thalassoma purpureum 358 6-9 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 43 cm 500L



Thalassoma lutescens 358 7 ℃ 0 ♥ 🔤 🖾 26°C sg: 1.022 15 cm 200L



Thalassoma septemfasciatum 358 ♀ 7, 12 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.022 23 cm 300L



Thalassoma septemfasciatum 358 7, 12 € O ♥ 🖾 🖾 26°C sg: 1.022 23 cm 300L



Tautogolabrus adspersus 358 1 ℃ C ♥ 🗔 🖾 26°C sg: 1.022 38 cm 400L



Thalassoma trilobatum 358 6-9 2 O ♥ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Suezichthys sp. 358 ♂ 11 ℃ ○ ▼ 🖾 🖾 26°C sg: 1.022 16 cm 200L



Suezichthys sp. 358 11 ℃ ♥ ➡ 🖾 🖾 20°C sg: 1.024 16 cm 200L



Labroides dimidiatus 358 6-10 → 0 ♥ 🖃 🖾 26°C sg: 1.022 12 cm 150L



Labroides phthirophagus 358 6 ~ ○ ♥ ➡ 🖾 26°C sg: 1.022 10 cm 100L



Labroides rubrolabiatus 358 6 ~ C ♥ ➡ ➡ 26°C sg; 1.022 6 cm 100L



Labroides pectoralis 358 7-8 ○ □ □ □ 26°C sg: 1.022 12 cm 100L





Xenojulis margaritaceous 358 7, 12 ♀ ○ ♥ 🖃 🖾 25°C sg: 1.023 12 cm 100L



Labrus bergylta 358 13-15 ♀ O ♥ ➡ 陞 26°C sg: 1.022 60 cm 800L



Labrus merula 358 13-15 ♀ ○ ♥ ➡ ☲ 26°C sg: 1.022 45 cm 500L

470 Plate #393



Lachnolaimus maximus 358 2 \ ○ ★ 🔁 🖾 26°C sg: 1.022 91 cm 1500L



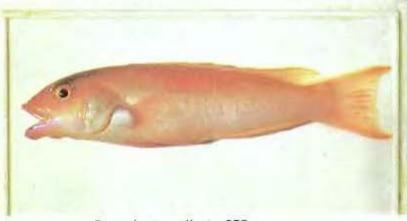
Lachnolaimus maximus 358 2 ~ 0 ★ 🖼 🖾 26°C sg: 1.022 91 cm 1500L



Clepticus parrae 358 2 → 0 ♥ 1 ⊆ 26°C sg: 1.022 30 cm 300L



Clepticus parrae 358 2 → 0 ♥ 📾 🖾 26°C sg: 1.022 30 cm 300L



Decodon puellaris 358 2 → ① ♥ ➡ ☲ 26°C sg: 1.022 15 cm 200L



Decodon melasma 358 3 ~ € ♥ 🖬 🖾 26°C sg: 1.022 20 cm 200L



Doratonotus megalepis 358 2 ~ 0 ♥ ➡ 🖾 24°C sg: 1.022 7.5 cm 100L



Oxyjulis californica 358 3-4 ~ € ♥ 🖬 🖾 22°C sg: 1.023 25 cm 300L

Plate #394 471



Symphodus melanocercus 358 ♀ 15 ♀ ○ ♥ № ☑ 25°C sg: 1.022 14 cm 150L



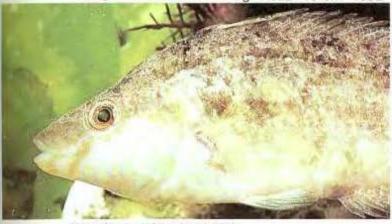
Symphodus ocellatus 358 ♂ 15 ℃ ♥ № № № 25°C sg: 1.022 12 cm 100L



Symphodus doderleini 358 15 ℃ ♥ № № № 25°C sg: 1.022 10 cm 100L



Symphodus tinca 358 14-15 ♀ ○ ♥ № 🖾 🖾 24°C sg: 1.022 35 cm 400L



Symphodus cinereus 358 14-15 € O ♥ № 1 24°C sg: 1.022 15 cm 200L



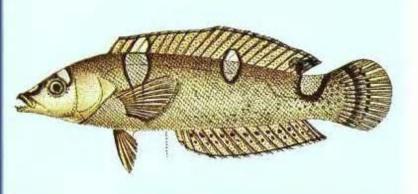
Symphodus mediterraneus 358 14-15 ♀ ○ ♥ № № № 25 °C sg: 1.022 15 cm 200L



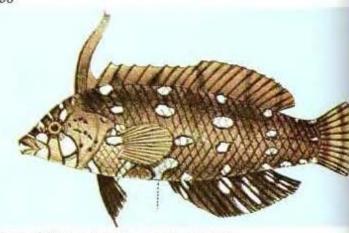
Symphodus roissali 358 14-15 ♀ O ♥ № 전 24°C sg: 1.022 17 cm 200L



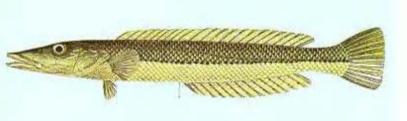
Symphodus rostratus 358 15 ♀ ○ ♥ № № № 24°C sg: 1.022 13 cm 150L



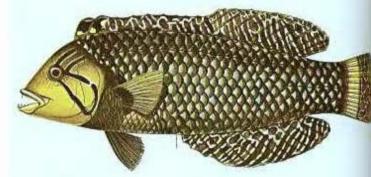
Coris gaimard 358 6-10 2 ○ ▼ 🗔 🗔 26°C sg; 1.022 45 cm 500L



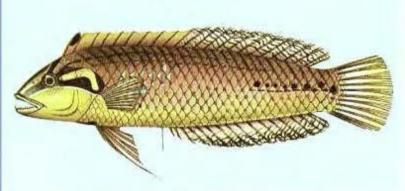
Novaculichthys taeniourus (juv.) 358 7-10 ♀ ▼ • ● ※ 🖬 🖾 26°C sg: 1.022 27 cm 300L



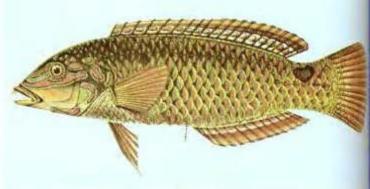
Cheilio inermis 358 6-10 9 ~ > 0 ★ 15 5 26°C sg: 1.022 50 cm 500L



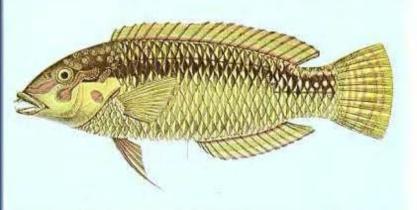
Novaculichthys taeniourus (adult) 358 7-10 ♀ ◇ → ○ ※ ➡ 26°C sg: 1.022 27 cm 300L



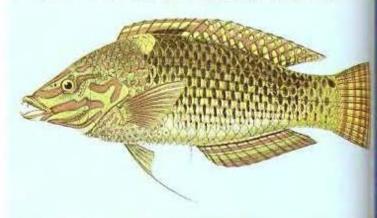
Novaculichthys macrolepidotus 358 7-10 ♀ ◇ C ♥ № 🖾 26°C sg: 1.022 15 cm 150L



Halichoeres trimaculata 358 7-10 ♀ ~ ~ ○ ♥ 🖬 🗔 26°C sg: 1.022 18 cm 200L



Halichoeres scapularis 358 6-10 ♀ ▼ ○ ▼ № 🖾 26°C sg: 1.022 20 cm 200L

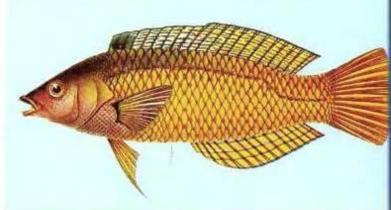


Halichoeres hortulanus 358 7-10 ♀ ◇ O ♥ ➡ ➡ 26°C sg: 1.022 27 cm 300L

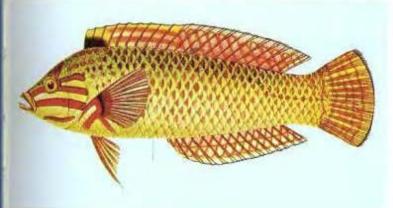
Plate #396 473



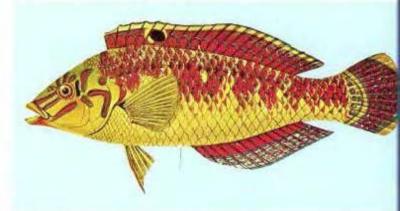
Halichoeres nebulosus 358 6-10 ♀ ◇ C ♥ ➡ ➡ 26°C sg: 1.022 12 cm 150L



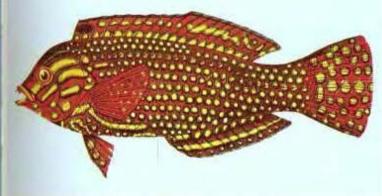
Halichoeres prosopeion 358 7 ℃ ♥ □ □ 26°C sg: 1.022 18 cm 200L

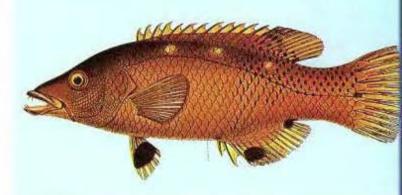


Halichoeres amboinensis 358 7 9 ~ 0 ♥ 🗔 🗔 26°C sg: 1.022 14 cm 150L



Halichoeres nigrescens 358 7-10 ⁹ ~ ○ ▼ 🖾 🗔 26°C sg: 1.022 30 cm 300L

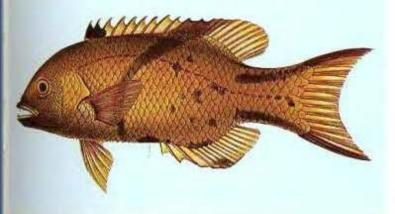




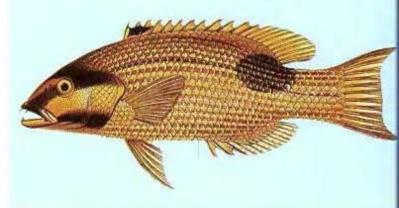
Macropharyngodon meleagris 358

6-7 ♀ ∨ ○ ▼ ■ □ 26°C sg: 1.022 15 cm 150L

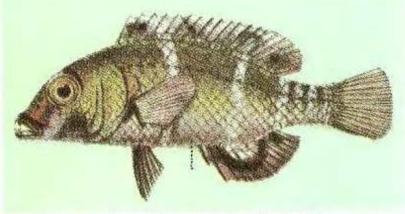
7, 9-10 ♀ ∨ ∨ ○ ♥ ■ □ 26°C sg: 1.022 25 cm 300L



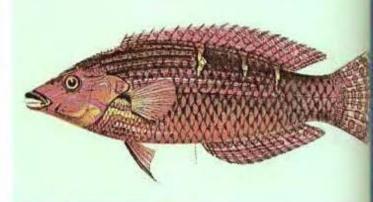
Bodianus anthioides 358 7-10 ♀ ~ ~ ○ ★ 🗹 🖾 🖾 26°C sg: 1.022 21 cm 200L



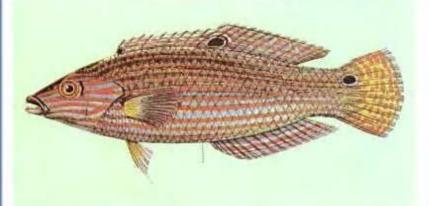
Bodianus bilunulatus 358 7,99 ~ ~ 0 × 1 = 26°C sg: 1.022 55 cm 600L



Choerodon anchorago (juv.) 358 7-9 S C ♥ In E 26°C sg; 1,020 25 cm 300L



Halichoeres hoevenii 358 6-7 ♀ ○ ♥ ➡ ☎ 26°C sg: 1.020 12 cm 100L



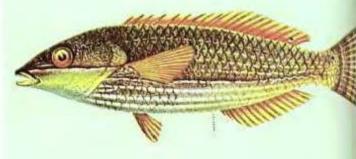
Halichoeres hoevenii 358 6-7 € O ♥ 📼 🖾 26°C sg: 1.020 12 cm 100L



Halichoeres kallochroma 358 7 ℃ O ♥ 🖾 🖾 26°C sg: 1.020 15 cm 100L



Halichoeres argus 358 7 ℃ ▼ 🖾 🖾 26°C sg: 1.020 12 cm 100L



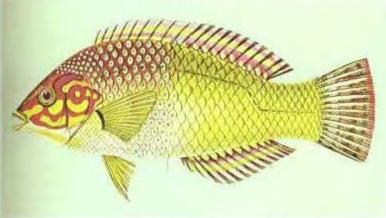
Stethojulis strigiventer 358 6-9 ♀ ○ ♥ ➡ ☱ 26°C sg: 1.022 15 cm 200L



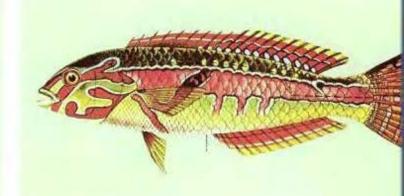


 Stethojulis strigiventer 358
 Stethojulis trilineata 358

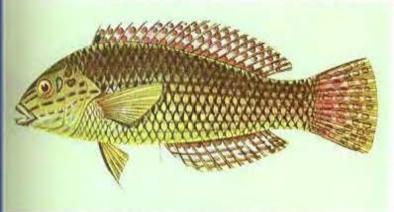
 6-9 ♀ ○ ▼ □ □ 26°C sg: 1.022 15 cm 200L
 7-10 ∽ ○ ▼ □ □ 26°C sg: 1.022 15 cm 200L



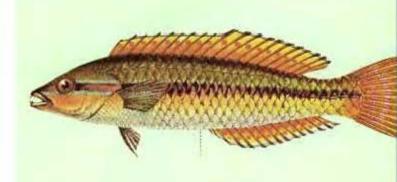
Halichoeres chloropterus 358 7 ℃ ♥ ➡ ➡ 26°C sg: 1.020 15 cm 200L

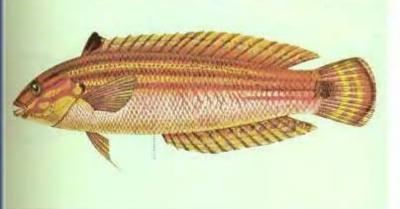


Halichoeres hartzfeldii 358 7 ℃ ♥ 🖾 🖾 26°C sg: 1.020 18 cm 200L

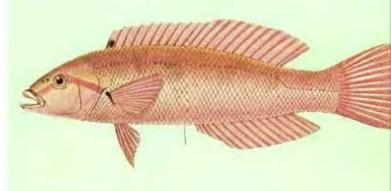


Halichoeres pardaleocephalus 358 7,9 ♀ ○ ♥ ﷺ 26°C sg: 1.020 9 cm 100L

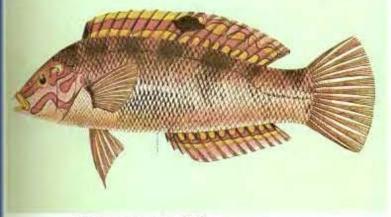




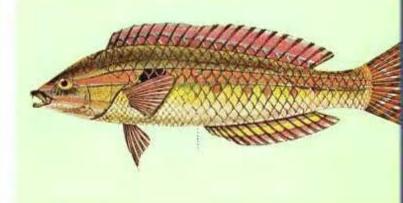
Coris caudimacula 358 7-10 € O ♥ 📾 🖾 26°C sg: 1.020 20 cm 200L

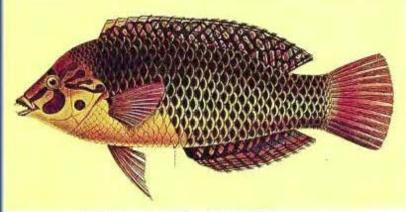


Coris batuensis 358 7 ~ • • ▼ 📠 🖾 26°C sg: 1.022 11 cm 150L

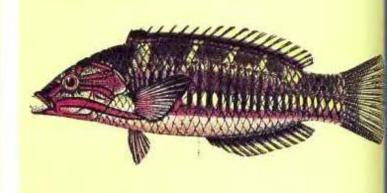


Coris variegata 358 6-10 % O ♥ ➡ ☱ 26°C sg: 1.020 20 cm 200L

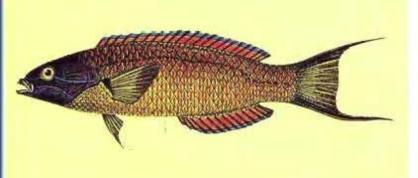




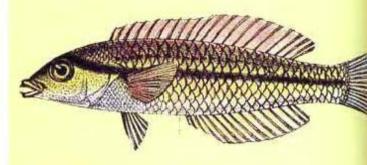
Halichoeres podostigma 358 7 ℃ ♥ ➡ ➡ ➡ 26°C sg: 1.022 18.5 cm 200L



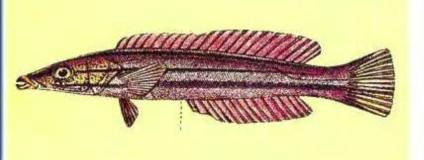
Thalassoma cupido 358 5, 7 ♀ ⋄ ○ ♥ ➡ ☒ 26°C sg: 1.022 15 cm 150L



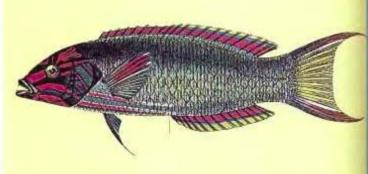
Thalassoma amblycephalus 358 7, 9 ♀ ◇ ♥ 🕟 🖾 26°C sg: 1.022 16 cm 200L



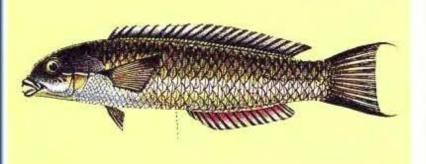
Pseudojulis girardi 358 7 ♀ ◇ ↑ ♦ ☎ ☎ 26°C sg; 1,022 10 cm 100L



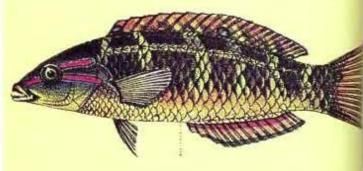
Hologymnosus doliatus 358 6-9, 12 ♀ ◇ C ♥ 📠 🖾 26°C sg: 1.022 32 cm 300L



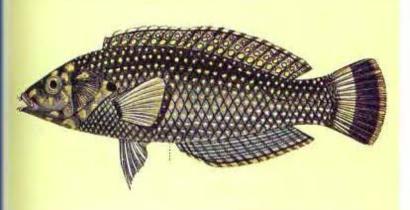
Thalassoma lunare 358 7, 9 ♀ ∽ ○ ♥ 🖬 🖾 26°C sg; 1.022 25 cm 300L

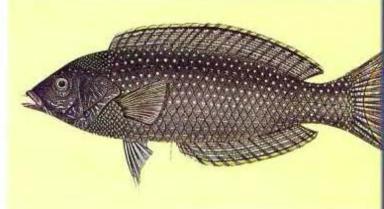


Thalassoma amblycephalus 358 7,9 ♀ ◆ ♥ ➡ ☲ 26°C sg: 1.022 16 cm 200L



Thalassoma schwaneteldi 358 6, 7 ⅔ ~ ○ ♥ 🗗 🖾 26°C sg: 1.022 10 cm 100L





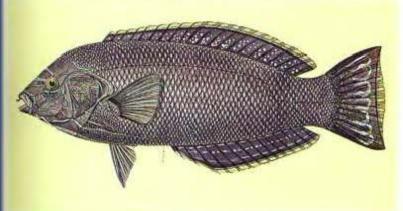
Anampses melanurus melanurus 358
6-7

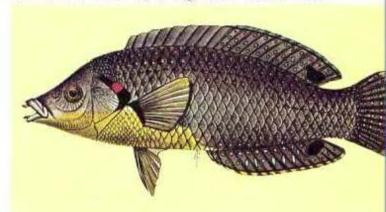
○ ▼

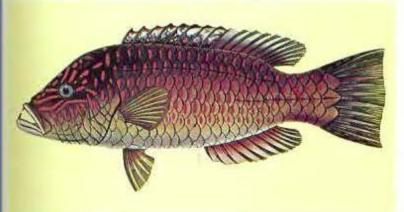
□ □ □ 26 ° C sg: 1.020 12 cm 150L

Anampses meleagrides 358
7, 9

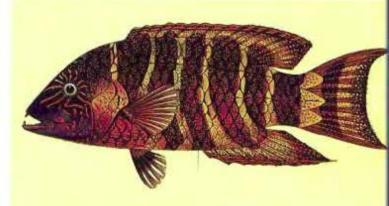
○ ▼
□ □ 26 ° C sg: 1.020 20 cm 200L



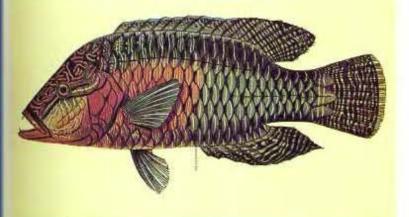




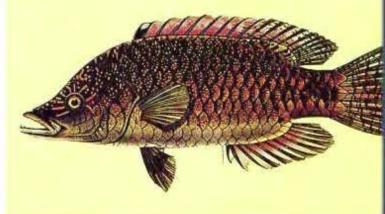
Cheilinus digrammus 358 6-10 ~ C ♥ In E 26°C sg: 1.020 35 cm 400L



Cheilinus fasciatus 358 6-9 → ○ ▼ 🕞 🖾 26°C sg: 1.020 35 cm 400L



Cheilinus undulatus 358 6-10 ℃ 0 火 配 区 26°C sg: 1.022 230 cm 5000L



Cheilinus celebicus 358 7 \ ○ ♥ ➡ ☲ 26°C sg: 1.020 20 cm 200L



Odax acroptilus 359 12 ~ C ♥ № ☑ 23°C sg: 1.023 25 cm 300L



Odax acroptilus 359 12 → C ♥ 1 5 23°C sg: 1.023 25 cm 300L



Odax cyanomelas 359 12 > 5 ○ ♥ 🖼 🖾 24°C sg: 1.023 45 cm 500L



Odax cyanomelas 359 12 ~ C ♥ ₩ 🖾 区 24°C sg: 1.023 45 cm 500L



Neoodax balteatus 359 7, 12 € € № 5 24°C sg: 1.022 7 cm 100L



Siphonognathus radiatus 359 12 → C ♥ ₩ 🖾 24°C sg: 1.023 12 cm



Siphonognathus argyrophanes 359 6, 7 ◇ C ♥ № ⊠ 26°C sg: 1.022 30 cm 300L



Siphonognathus beddomei 359 12 → C ♥ ₩ 🖾 23°C sg: 1.023 13 cm 100L

Plate #402

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Scarus frenatus 360 5, 7 → + 0 ♥ № Ed 26°C sg: 1.022 40 cm 400L



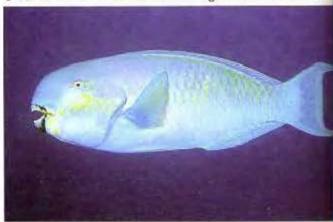
Cetoscarus bicolor 360 (juv.) 6-10 ~ ↑ ○ ▼ 🗗 🖾 26°C sg: 1.022 80 cm 1000L



Hipposcarus harid 360 9-10 → + C ♥ 📠 🖾 26°C sg: 1.022 75 cm 1000L



Cetoscarus bicolor 360 6-10 ~ ★ O ♥ In 🖾 26°C sg: 1.022 80 cm 1000



Scarus gibbus 360 7-10 → ↑ ○ ♥ 🖬 🖾 26°C sg: 1.022 70 cm 100



Scarus gibbus 360 7-10 → ↑ C ♥ 🖬 🖾 26°C sg: 1.022 70 cm 1000L





Scarus niger 360 7-10 ~ + 0 ♥ 1 ⊆ 26°C sg: 1.022 40 cm 500L



Scarus cyanescens 360 9 ~ ↑ 0 ♥ № 🖾 26°C sg: 1.022 50 cm 500L



Scarus rubroviolaceus 360 3, 6-9 → ↑ ○ ♥ 26°C sg: 1.022 66 cm 800L



Scarus niger 360 7-10 ~ ↑ ○ ♥ № 🖾 26°C sg: 1.022 40 cm 500L





Scarus psittacus 360 7-10 ~ ↑ O ♥ ☑ 26°C sg: 1.022 27 cm 300L



Scarus rubroviolaceus 360 3, 6-9 ~ + O ♥ № 🖾 26°C sg: 1.022 66 cm 800L



Scarus atrilunula 360 9 ~ + 0 ♥ № 5 26°C sg: 1,022 30 cm 300L



Scarus sordidus 360 5-10, 15 → ↑ ○ ♥ № 전 26°C sg: 1.022 50 cm 500L



Scarus gibbus 360 7-10 ~ ↑ ○ ▼ 🕞 🖾 26°C sg: 1.022 70 cm 1000L



Scarus ghobban 360 7-10 → ↑ ○ ♥ 🖼 🖾 26°C sg: 1.022 80 cm 800L



Scarus dimidiatus 360 7, 9 → + 0 ♥ 🖼 🖾 26°C sg: 1.022 35 cm 400L





Hipposcarus caudovittatus 360 9 ~ + 0 ♥ \$\subseteq \textsquare 26°C sg: 1.022 30 cm 300L



Scarus frenatus 360 5, 7 ~ → O ♥ 🖼 🖾 26°C sg: 1.022 40 cm 400L





Bolbometopon muricatus 360 7-10 → ↑ ○ ▼ 1 = 26°C sg: 1.022 150 cm 2000L



Scarus gibbus 360 7-10 → ↑ ○ ♥ 🖼 🖾 26°C sg: 1.022 70 cm 1000L



Scarus schlegeli 360 5, 7, 9 → ↑ ○ ♥ 🖾 🖾 26°C sg: 1.022 50 cm 500L



Scarus tricolor 360 5, 7, 9 ∞ → 0 ♥ ﷺ ☑ 26°C sg: 1.022 50 cm 500L



Scarus dubius 360 5, 7, 9 ~ ↑ ○ ♥ № 🖾 26°C sg: 1.022 50 cm 500L



Scarus gibbus 360 7-10 → ↑ ○ ♥ 1 26°C sg: 1.022 70 cm 1000L



Scarus flavipectoralis 360 6 → → O ♥ № 전 26°C sg: 1.022 15 cm 250L



Scarus sp. 360 6 ~ + 0 ♥ № 🖾 26°C sg: 1.022 25 cm 250L



Scarus psittacus 360 7-10√ + 0 ♥ № № 26°C sg; 1,022 27 cm 300L



Scarus ghobban 360 6-10√ + 0 ♥ ■ 월 26°C sg: 1.022 80 cm 800L



Scarus ferrugineus 360 10~ → 0 ♥ 🖬 🖾 26°C sg: 1.022 41 cm 400L



Scarus prasiognathos 360 6-9√ → C ♥ ■ 🖾 26°C sg: 1.022 70 cm 800L



Scarus frenatus 360 5,7~ + ○ ▼ 1 = 26°C sg: 1.022 40 cm 400L



Scarus frenatus 360 5, 7~ ★ 0 ♥ № 🖾 26° C sg: 1.022 40 cm 400L



Scarus guacamaia 360 2√ + 0 ♥ № № 26°C sg: 1.022 93 cm 1000L 3√ + 0 ♥ № № 26°C sg: 1.022 80 cm 800L

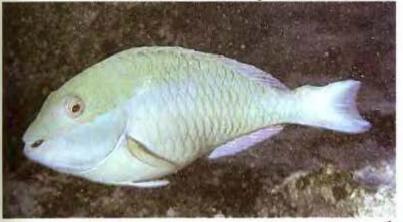




Sparisoma atomarium 360 ♂ 2~ ○ ▼ 🗗 🖾 26°C sg: 1.022 10 cm 100L



Sparisoma atomarium 360 ♀ 2 ◇ ○ ♥ ➡ ☲ 26°C sg: 1.022 10 cm 100L



Sparisoma aurofrenatum 360 ♂ 2 ~ C ♥ ■ ๒ 26°C sg: 1.022 28 cm 300L



Sparisoma aurofrenatum 360 2 ∼ C ♥ 🖪 🖾 26°C sg: 1.022 28 cm 300L



Sparisoma chrysopterum 360 ♂ 2~ ○ ♥ ★ 🖾 26°C sg: 1.022 50 cm 500L



Sparisoma chrysopterum 360 2 ∼ C ♥ 🖪 🖾 26°C sg: 1.022 50 cm 500L



Sparisoma viride 360 2 ~ ○ ▼ 🕞 🖾 26°C sg: 1.022 51 cm 500L



Sparisoma viride 360 2 ~ C ♥ ■ □ 26°C sg: 1.022 51 cm 500L

Cryptotomus roseus 360 2 → + C ♥ \$\square \square \square 25°C sg: 1.022 7 cm 100L



Calotomus zonarchia 360 6 ~ + 0 ♥ № 🖾 26°C sg: 1.022 35 cm 400L



Calotomus japonicus 360 6-9 ~ + O ♥ ₩ 🖾 26°C sg: 1.022 60 cm 600L



Calotomus spinidens 360 7,9 ~ + O ♥ ₩ E 26°C sg: 1.022 19 cm 200L

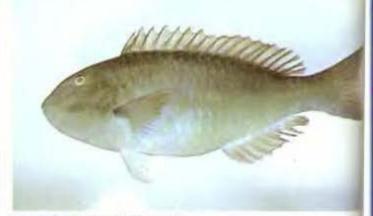


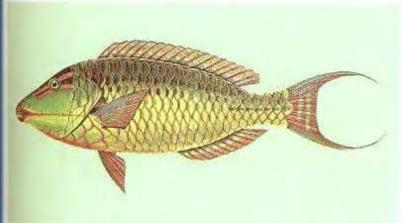
Leptoscarus vaigiensis 360 7-9 √ + 0 ♥ № 🖂 26°C sg: 1.022 35 cm 400L



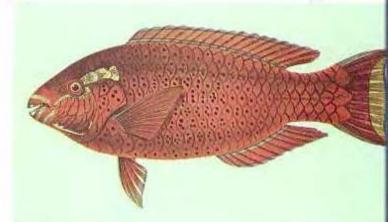
Nicholsina denticulata 360 3 ~ + 0 ♥ \$\sum \text{\tint{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\text{\texi}\text{\text{\text{\text{\text{\texi{\texi{\texi\texi{\texi{\texi{\texi}\titt{\texit{\text{\texi{\text{\texi}\texi{\texi{\texi{\texi}\texi{



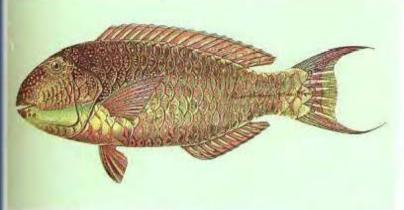




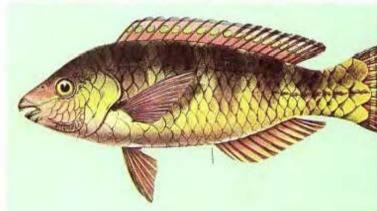
Hipposcarus harid 360 9√5 № 0 ♥ 📾 🖾 26°C sg: 1.022 75 cm 750L



Scarus niger 360 7-10~ + 0 ♥ 15 5 26°C sg: 1.022 40 cm 500L



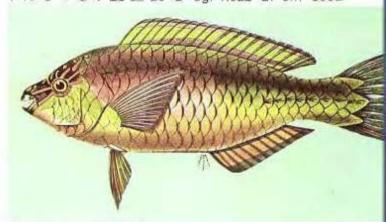
Cetoscarus bicolor 360 6-9√ ↑ ○ ▼ ★ 🖾 26°C sg: 1.022 60 cm 600L



Scarus psittacus 360 7-10 → ↑ ○ ▼ 🗗 🖾 26°C sg: 1.022 27 cm 300L



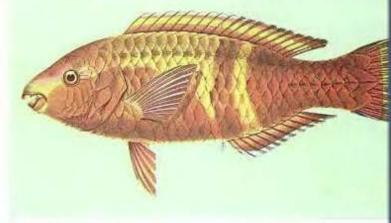
Scarus oviceps 370 7 ~ ↑ 0 ♥ 🕟 🖾 26°C sg: 1.022 35 cm 400L



Scarus javanicus 360 7 ~ ↑ ↑ • • • • • 26°C sg: 1.022 28 cm 300L



Scarus moensi 360



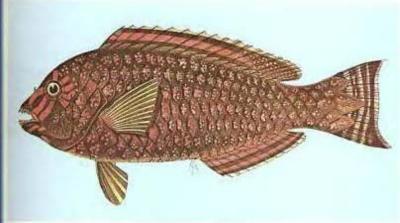
Scarus moensi 360
Scarus psittacus 360
6-9 → + ○ ♥ 🗗 🗔 26°C sg: 1.022 20 cm 200L 7-10 → + ○ ♥ 🗗 🔄 26°C sg: 1.022 27 cm 300L



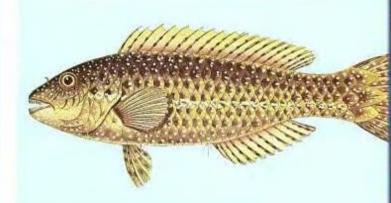
Scarus sordidus 360 6-9~ ↑ ○ ▼ 🖾 🖾 26°C sg: 1.022 50 cm 500L



Scarus erythrodon 360 7, 9√5 + 0 ♥ 15 🖾 26°C sg: 1.022 40 cm 400L



Calotomus spinidens 360 7, 9 ↑ ↑ O ♥ 🖼 🖾 26°C sg: 1.022 19 cm 200L



Leptoscarus vaigiensis 360 7-9√ → C ♥ № 🖾 26°C sg: 1.022 35 cm 400L



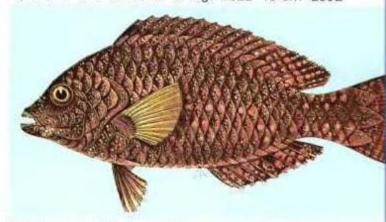
Leptoscarus vaigiensis 360 7-9√ + C ♥ № № 26°C sg: 1.022 35 cm 400L



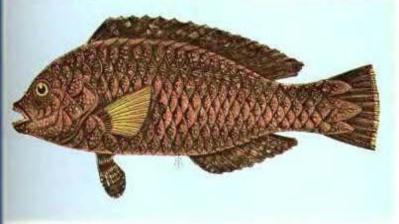
Calotomus spinidens 360 7, 9 → ↑ O ♥ № 🖾 26°C sg: 1.022 19 cm 200L



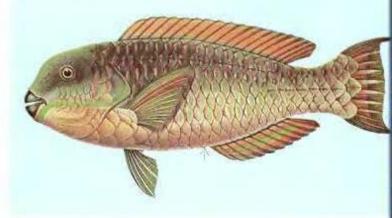
Calotomus spinidens 360 7, 9√ + 0 ♥ № □ 26°C sg: 1.022 19 cm 200L



Calotomus spinidens 360 7, 9~ → ○ ♥ № № № 26°C sg: 1.022 19 cm 200L



Calotomus spinidens 360 7,9√ + ○ ♥ № № 26°C sg: 1.022 19 cm 200L



Scarus gibbus 360 7-10 → → O ♥ ➡ ☲ 26°C sg: 1.022 70 cm 1000L



Scarus sp. 360 7-10 ~ ↑ 0 ♥ 🕟 🖾 26°C sg: 1.022 70 cm 1000L

Scarus bleekeri 360 6, 7 ∼ → 0 ♥ ☑ □ 26°C sg: 1.022 25 cm 300L





Rathbunella hypoplecta 361 3-4 √ √ ★ 🗗 🗆 23°C sg: 1.024 30 cm 300L



Bathymaster derjugini 361 3-4 ~ - • ★ 🗗 🗆 23 °C sg: 1.024 25 cm 300L



Lycodes pacificus 362 4 ~ • • • ★ 🖃 🖾 23 °C sg: 1.024 30 cm 300L



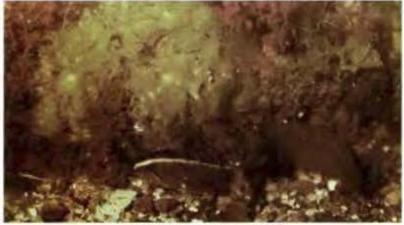
Macrozoarces americanus 362 1 → 、 ● 火 面 □ 23°C sg: 1.024 110 cm 1500L



Lycogramma zesta 362 5 ~ € ♥ 🖬 🗔 24°C sg: 1.023 10 cm 100L



Zoarchias veneficus 362 14 ~ • • ★ 🖾 🗆 20°C sg: 1.024 25 cm 300L



Dictyosoma burgeri 363 5 ~ € ♥ 🗗 🗆 24°C sg: 1.023 6 cm 60L



Ernogrammus hexagrammus 363 5, 7 ~ 5 ~ 6 ★ 面 □ 24°C sg: 1.023 15 cm 150L



Chirolophis decoratus 363 4 9 ◇ → ①火 面 □ 22°C sg: 1.024 42 cm 400L



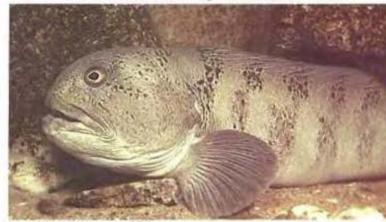
Chirolophis nugator 363 4 9 ~ 、 ○ 火 월 □ 23°C sg: 1.024 42 cm 500L



Cebidichthys violaceus 363 4 ℃ ~ • • ★ 🖬 🗆 26°C sg: 1.022 50 cm 500L



Anarrhichthys ocellatus 366 4-5 ♀ ~ • • ★ 🖬 🗔 24°C sg: 1.023 200 cm 2000L



Anarhichas lupus 366 4-5 ♀ ▽ 、 ● ★ 🖬 🗆 23°C sg: 1.024 200 cm 2000L



Liocranium praepositum 267 8 → • • ★ 🖬 🗆 26°C sg: 1.022 10 cm 100L



Pholis gunnellus 365 1, 14 ♀ • ♥ 됨 □ 23°C sg: 1.024 20 cm 200L



Opistognathus gilberti 375 2 ~ € ♥ 🖬 🖃 26°C sg: 1.022 5 cm 50L

Opistognathus gilberti 375 2 ✓ € ♥ 🗗 🗆 26°C sg: 1.022 5 cm 50L





Opistognathus sp. 375 3 ~ € • ■ □ 26°C sg: 1.022 10 cm 100L



Opistognathus aurifrons 375 2 ~ ↑ € ▼ 🖬 🖂 26°C sg: 1.022 10 cm 100L

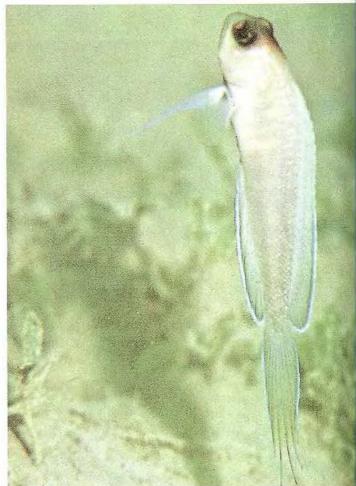


#419A 498

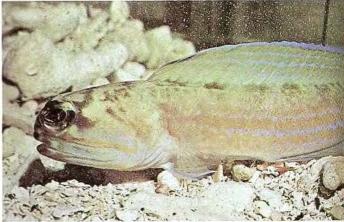


Opistognathus rhomaleus 375

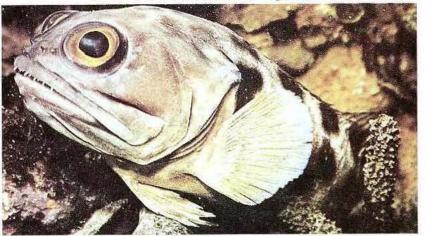
3-4 ✓ ↑ ① 火 🖬 🗆 24°C sg: 1.023 50 cm 500L 2 ✓ ① ♥ 🖬 🗆 26°C sg: 1.022 10 cm 100L







Opistognathus lonchurus 375 8 ✓ 0 ♥ 🖬 🗆 26°C sg: 1.022 12 cm 150L



 Tandya latitabunda 375
 Opistognathus sp. 375

 8 ⋄ ⋄ ♠ ※ ➡ □ 26°C sg: 1.022 26 cm 250L
 3 ⋄ ♠ ♥ ➡ □ 26°C sg: 1.022 10 cm 100L



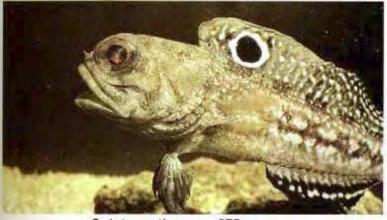
#419B



Opistognathus sp. 375 3 ~ 0 ♥ 🖬 🗔 26°C sg: 1.022 10 cm 100L



Opistognathus aurifrons 375 2 ~ ~ ○ ♥ 🖬 🗆 26°C sg: 1.022 10 cm 100L



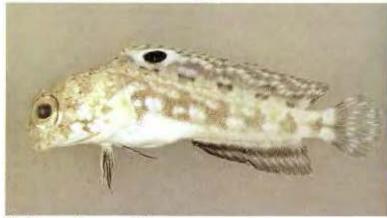
Opistognathus sp. 375 2 → 0 ♥ 🖬 🖂 26°C sg: 1.022 11 cm 100L



Opistognathus scops 375 3-4 ✓ • • • ★ 🖬 🗖 26°C sg: 1.022 15 cm 150L

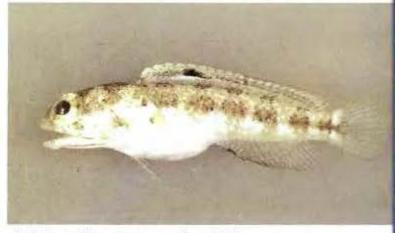


Opistognathus gilberti 375 2 → 0 ♥ 🖬 🗔 26°C sg: 1.022 5 cm 50L





Opistognathus whitehursti 375 2 ~ € ♥ 🖬 🗔 26°C sg: 1.022 7.5 cm 80L



Opistognathus macrognathus 375 2 ∼ √ 0 火 🖬 🗆 26°C sg: 1.022 20 cm 200L





Blennodesmus scapularis 376 8 ~ € ♥ № 🗔 26°C sg: 1.022 5 cm 50L



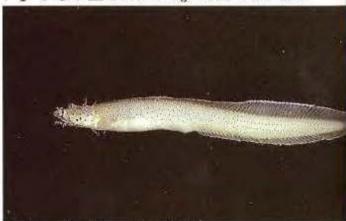
Pholidichthys leucotaenia (juv.) 380 7 ♀ • ▼ 🖬 🗆 26°C sg: 1.022 6 cm 60L



Pholidichthys leucotaenia 380 7 9 ~ 0 ♥ 🖬 🗆 26°C sg: 1.022 6 cm 60L



Arctoscopus japonicus 381 4-5 ◇ ↑ ① ※ 🖬 🗔 23°C sg: 1.023 22 cm 200L

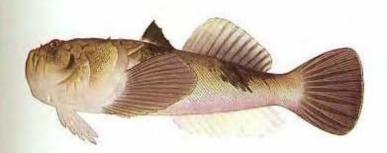




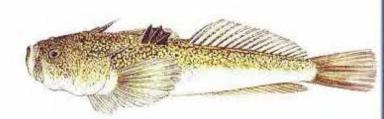
Kathetostoma averruncus 383 3-4 ◇ S C ★ 🖬 🗔 24°C sg: 1.023 31 cm 300L



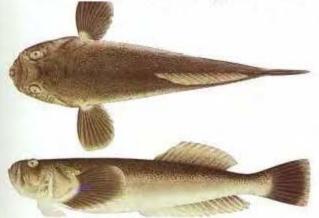
#421 501



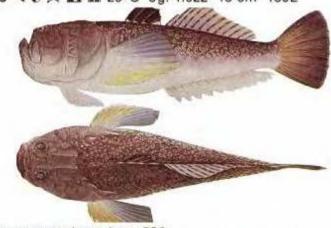
Uranoscopus bicinctus 383 5 ~ • € × 庙 🖂 23°C sg: 1.024 10 cm 100L



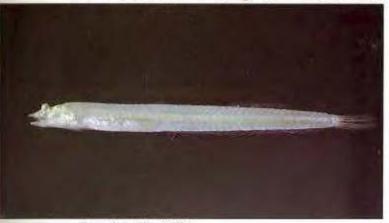
Uranoscopus asper 383 7 ~ • • • ★ 🖬 🗆 26°C sg: 1.022 15 cm 150L



Gnathagnus elongatus 383 5 ~ • • • ★ 🖾 🖂 24°C sg: 1.023 35 cm 400L



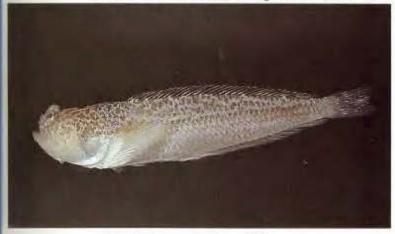
Uranoscopus japonicus 383 5, 7 ~ • • • ★ 🛅 🗔 24°C sg: 1.022 18 cm 200L



Creedia alleni 385 7, 12 ~ € ♥ ➡ ➡ 25°C sg: 1.023 5 cm 50L



Limnichthys fasciatus 385 7, 12 ✓ • ▼ 🗔 🗔 26°C sg: 1.022 5 cm 50L



Crapatalus arenarius 386 8 ~ • • □ □ □ 26°C sg: 1.022 9 cm 100L



Stichaeus grigorjewi 363 5 ~ € ♥ ➡ ➡ 23°C sg: 1.024 10 cm 100L



Parapercis aurantica 388 5, 7 → 0 ♥ 🖬 🖾 24°C sg: 1.023 15 cm 150L



Parapercis sexfasciata 388 5, 7 → 0 ♥ 🖬 🖾 24°C sg: 1.022 12 cm 100L



Parapercis pulchella 388 5, 7 → 1 ○ ★ 📠 🗔 24°C sg: 1.023 12 cm 150L



Parapercis multifasciata 388 5, 7 → C ♥ 🖬 🗆 24°C sg: 1.022 15 cm 150L



Parapercis sp. 388
7, 9 → 10 ▼ 📠 🗔 26°C sg: 1.022 13 cm 150L



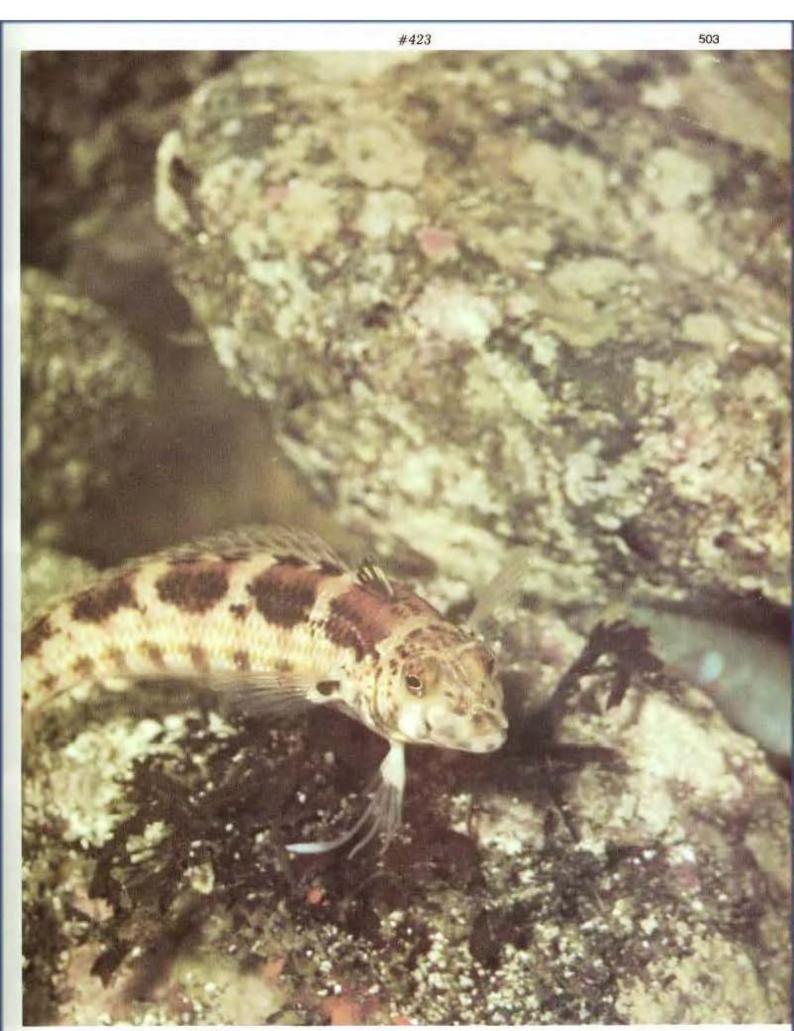
Parapercis schuinslandi 388 5, 7 → ¬ O ★ 📠 🗆 24°C sg: 1.023 20 cm 200L



Parapercis xanthozona 388 7 ~ C ♥ ■ □ 26°C sg: 1.022 8.5 cm 100L



Parapercis nebulosa 388 8 ~ ○ ★ 🖬 🗆 26°C sg: 1.022 32 cm 350L



Parapercis snyderi 388 7 🌣 🖈 🕟 🗠 5 🗀 26°C sg: 1.022 10 cm 100L



Parapercis cephalopunctata? 388 7, 9 → • • ★ 🖬 🗔 26°C sg: 1.022 17 cm 200L



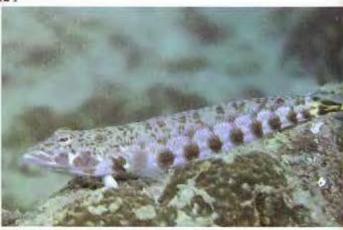
Parapercis bivittata 388 9 ~ < 0 ★ 🖬 🗆 26°C sg: 1.022 20 cm 200L



Parapercis hexophthalma 388 7-10 < □ ★ 🖬 🗆 26°C sg: 1.022 25 cm 250L



Parapercis trispilota 388 9 ~ • ○ 火 ➡ □ 26°C sg: 1.022 15 cm 150L



Parapercis cephalopunctata 388 7-9 ✓ ✓ ♦ 🗴 🖾 🖂 26°C sg: 1.022 17 cm 150L



Parapercis haackei 388 7 ~ ~ • ★ 🕟 🗔 26°C sg: 1.022 15 cm 150L



Parapercis tetracantha 388 7, 9 ✓ 🕶 🖈 🖬 🗔 26°C sg: 1.022 20 cm 200L



Parapercis sp. (juv. cylindrica?) 388 7,9 ~ ~ ● * 🚡 🗔 26°C sg: 1.022 17 cm 150L



Parapercis tetracantha 388 7, 9 √s √ • ★ 🖬 🗆 26°C sg: 1.022 20 cm 200L

Parapercis snyderi 388 7 ◇ 、 ① 火 面 □ 26°C sg: 1.022 10 cm 100L





Plagiotremus rhinorhynchos 395 6-10 ◆ ♦ ★ □ 26°C sg: 1.022 12 cm 100L



Vauclusella sp. 390 12 ♀ ~ • ▼ № 🖂 🗆 24°C sg: 1.023 3 cm 50L



Helcogramma decurrens 390 7 2 ~ 0 ♥ \$ □ 26°C sg: 1.022 5 cm 50L



Enneanectes altivelis 390 2 2 ~ • • ■ □ 26°C sg: 1.022 4 cm 50L



Norfolkia sp. 390 12 2 ~ 0 ♥ 1 24°C sg: 1.023 3 cm 50L



Enneanectes boehlkei 390 2 ℃ ♥ ♥ □ 26°C sg: 1.022 4 cm 50L



Enneanectes pectoralis 390 2 ℃ ♥ ♥ □ □ 26°C sg: 1.022 4 cm 50L









Undescribed Tripterygiid 390 3 ♀ ◇ ♥ ♥ 🚾 🗆 25°C sg: 1.023 8 cm 80L



Lepidoblennius marmoratus 390 7 ♀ ∽ € ♥ ☑ □ 26°C sg: 1.022 9 cm 100L



Enneanectes atrorus 390 2 ℃ ♥ ♥ □ □ 26°C sg: 1.022 3.3 cm 50L



Gilloblennius tripennis 390 11 2 ~ € ¥ 🖼 🗔 22°C sg: 1.024 5 cm 50L



Norfolkia sp. 390 12 2 ~ ○ ▼ 🖼 🗔 26°C sg: 1.022 5 cm 50L



Vauclusella sp. 390 12 2 ~ 0 ♥ ₩ 🖃 24°C sg: 1.023 3 cm 50L







Tripterygion tripteronotus 390 15 ♀ ❤ ❤ ➡ ➡ 26°C sg: 1.024 8 cm 80L



Tripterygion tripteronotus 390 & 15 € ~ 0 ♥ № □ 26°C sg: 1.024 8 cm 80L



Tripterygion sp. 390 3 2 ~ 0 ♥ № 🗆 26°C sg: 1.024 3.8 cm 50L



Tripterygion tripteronotus 390 15 9 ~ 0 ♥ 1 = 26°C sg: 1.024 8 cm 80L



Enneapterygius etheostomus 390 5 ℃ ♥ ♥ □ 24°C sg: 1.023 4 cm 50L



Tripterygion sp. 390 11 2 ~ 0 ♥ ₩ 🖂 22°C sg: 1.024 8 cm 80L



Tripterygiid 390

8 2 ~ € ★ 1.024 4 cm 40L 8 2 ~ € ▼ 1.024 4 cm 40L





Tripterygion sp. 390 11 → ① ▼ 🗈 🗔 24°C sg: 1.023 6 cm 60L





Norfolkia cristata 390 12 ~ € ▼ 🖬 🗔 24°C sg: 1.023 5 cm 50L



Norfolkia clarkei 390 12 √ € ♥ 🗗 🗆 24°C sg: 1.023 6 cm 60L



Tripterygion bucknilli 390 11 ♥ ♥ 🖬 🗆 22°C sg: 1.024 8 cm 80L



Tripterygion sp. B. 390 11 ~ • • □ □ 22°C sg: 1.024 8 cm 80L



Norfolkia incisa 390 12 ~ € ▼ 🖬 🗔 24°C sg: 1.023 3 cm 40L



Apopterygion alta 390 12 ~ € ♥ 🚡 🗔 24°C sg: 1.023 4.4 cm 50L





Helcogramma decurrens 390 12 ~ € • • □ 24°C sg: 1.023 5 cm 50L



Helcogramma decurrens 390 12 ~ € ▼ 🖪 🗔 24°C sg: 1.023 5 cm 50L



Helcogramma sp. 390 9 ~ € • • □ ⊒ 26°C sg: 1.020 3 cm 50L



Gunnelichthys curiosus 407 6 > € • • • □ 26°C sg: 1.022 11 cm 100L

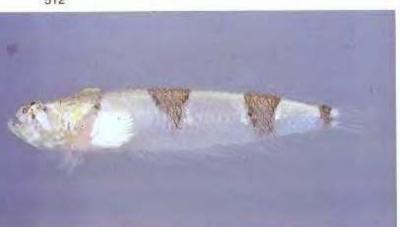


Gunnelichthys monostigma 407 13 ~ € ♥ 🖾 🗔 26°C sg: 1.022 7.5 cm 80L





Hoplolatilus cuniculus 300 6 ~ € ♥ ➡ 🗆 26°C sg: 1.022 9 cm 100L



Heteristius rubrocinctus 391 2 → 0 ♥ 🖼 🗔 26°C sg: 1.022 6.0 cm 60L





Gillelus greyae 391 2 ~ € ♥ 📾 🗔 26°C sg: 1.022 7.5 cm 80L



Exerpes asper 392 3 ♀ ~ ① ★ № 🗔 26°C sg: 1.022 5 cm 50L



Starksia spinipenis 392 3 2 ~ 0 ♥ 🖬 🖾 26°C sg: 1.022 5 cm 50L



Neoclinus bryope 392 5 ♀ ◆ ● ♥ ☎ □ 26°C sg: 1.022 6 cm 60L



Starksia ocellata 392 2 ♀ ◆ ● ▼ 🖬 🗔 26°C sg: 1.022 5 cm 50L



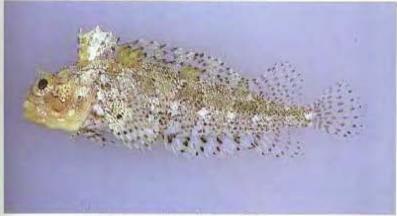
Starksia sp. 392 3 ~ € ♥ № □ 26°C sg: 1.022 5 cm 50L



Labrisomus nuchipinnis 392 1-2, 13 ♀ ▽ ¬ ○ ★ 🎏 🗆 26°C sg: 1.022 23 cm 300L



Labrisomus filamentosus 392 2 ℃ ♥ ♥ □ 26°C sg: 1.022 8.0 cm 80L



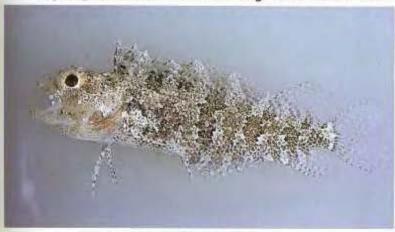




Labrisomus nuchipinnis 392 1-2, 13 ♀ ∿ ▼ № № □ 26°C sg: 1.022 23 cm 300L



Labrisomus kalisherae 392 2 ♀ ▼ € ♥ ☎ □ 26°C sg: 1.022 7.5 cm 80L



Labrisomus haitiensis 392 2 ♀ ◆ ♥ ♥ □ 26°C sg: 1.022 7.5 cm 80L



Starksia starcki 392 2 ℃ ↑ ♥ 🖾 🗔 26°C sg: 1.022 4 cm 50L



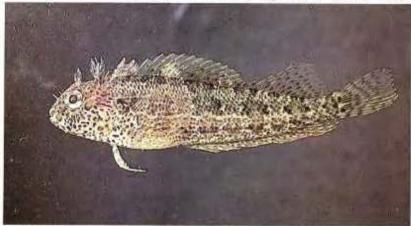
Malacoctenus gigas 392 3 ~ 0 ♥ ☎ 🗔 26°C sg: 1.022 13 cm 150L



Malacoctenus tetranemus 392 3 ~ ↑ ♥ 🚾 🗔 26°C sg: 1.022 120 cm 150L



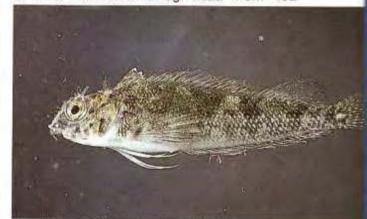
Malacoctenus ebisui 392 3 ~ € ♥ 🖼 🗔 26°C sg: 1.022 12 cm 150L



Malacoctenus tetranemus 392 3 ~ € ♥ 🖼 🗔 26°C sg: 1.022 12 cm 150L



Paraclinus mexicanus 392 3 ~ € ♥ 🖼 🗔 26°C sg: 1.022 4 cm 40L



Malacoctenus margaritae 392 3 ~ € ♥ № 🗔 26°C sg: 1.022 12 cm 150L



Malacoctenus zonifer 392 3 ~ € ♥ ﷺ 🗔 26°C sg: 1.022 12 cm 150L



Malacoctenus triangulatus 392 2 ℃ ♥ ♥ □ 26°C sg: 1.022 6.5 cm 80L

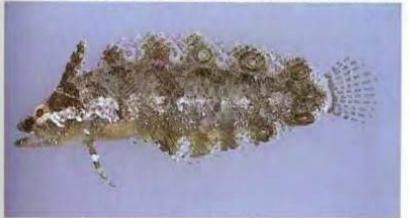


Malacoctenus gilli 392 2 ℃ ♥ ♥ 🖾 🗔 26°C sg: 1.022 4.7 cm 50L



Malacoctenus macropus 392 Malacoctenus macropus 392
2 ℃ ♥ ♥ □ 24°C sg: 1.023 5.5 cm 60L 2 ℃ ▼ □ □ 26°C sg: 1.022 6 cm 60L

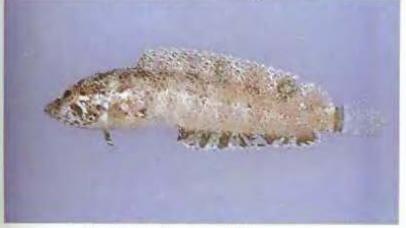




Paraclinus marmoratus 392 2 ℃ ♥ ♥ 🖾 🗔 26°C sg: 1.022 10 cm 100L

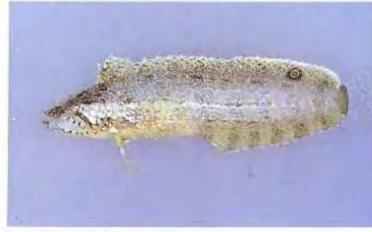


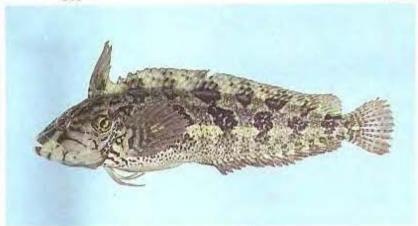
Dialommus fuscus 392 3 ♀ ▽ ○ ♥ ☎ □ 26°C sg: 1.022 7.0 cm 80L



Paraclinus fasciatus 392

2 ℃ € ♥ № □ 26°C sg: 1.022 6.5 cm 80L 1-2 ℃ € № □ 24°C sg: 1.023 5 cm 50L





Clinus superciliosus 393 9 → 0 ♥ 🖼 🗔 26°C sg: 1.020 30 cm 250L



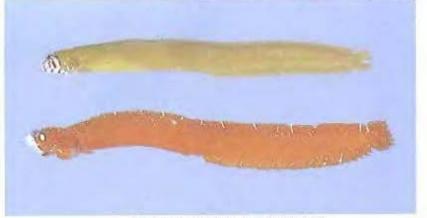
Gibbonsia metzi 393 4 ~ € ♥ 🖼 🗔 26°C sg: 1.022 24 cm 250L



Sticharium dorsale 393 12 ~ ↑ ♥ № 🖂 26°C sg: 1.022 5 cm 50L



Heterostichus rostratus 393 3-4 ~ • ○ 火 및 □ 26°C sg: 1.022 61 cm 600L



Stathmonotus hemphilli 392 2 → 0 ♥ 🖼 🗔 26°C sg: 1.022 5 cm 50L



Ophiclinus gracilis 392 7 ◇ ① ★ 🖼 🗆 26°C sg: 1.022 6 cm 80L



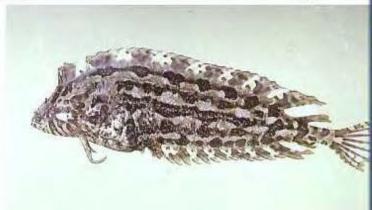
Stathmonotus sinuscalifornici 392 3 ~ 0 ♥ ☑ □ 26°C sg: 1.022 7.5 cm 80L



Xenomedia rhodopyga 392 3 🍑 € 🔛 26°C sg: 1.022 6 cm 80L



Heteroclinus whitleyi 393 12 ~ € ♥ 🖼 🗔 24°C sg: 1.022 6 cm 60L



Heteroclinus sp. cf. roseus 393 12 ~ € ♥ 🖾 🞞 24°C sg: 1.022 8.5 cm 80L



Heteroclinus eckloniae 393
12 → ① ▼ № □ 24°C sg: 1.022 3 cm 50L
12 → ① ▼ № □ 24°C sg: 1.022 7 cm 80L

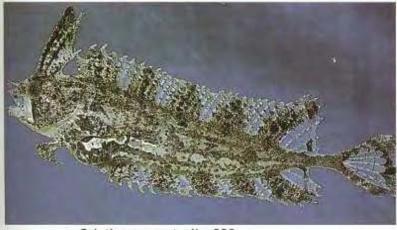




Springeratus xanthosoma 393 7~~ 0 火 遍 □ 26°C sg: 1.022 7 cm 80L



Heteroclinus adelaidae 393 12 ~ € ♥ № 🗔 24°C sg: 1.022 7 cm 80L







Acanthemblemaria macrospilus 394 3 ~ € ♥ 🚾 🗔 26°C sg: 1.022 5 cm 50L



Acanthemblemaria balanorum 394 3 → 0 ♥ 🖾 🗔 26°C sg: 1.022 5 cm 50L





Acanthemblemaria spinosa 394 2 ~ € ♥ ☑ □ 26°C sg: 1.022 5 cm 50L



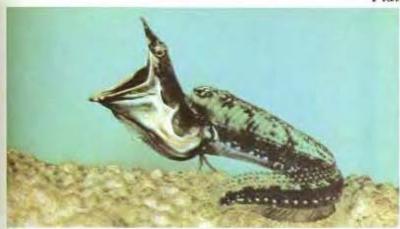


Acanthemblemaria crockeri 394 3 ~ € ♥ № 🗔 26°C sg: 1.022 5 cm 50L



Acanthemblemaria exilispinis 394 3 ~ € ♥ № □ 26°C sg: 1.022 4 cm 50L





Chaenopsis alepidota 394 3 ~ € ▼ 🖼 🗔 26°C sg: 1.022 15 cm 100L



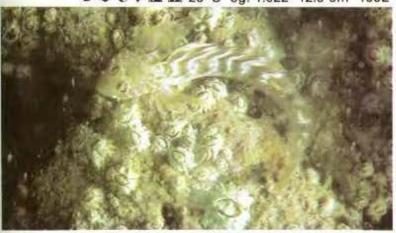




Chaenopsis ocellata 394 2 ~ € ▼ 🖾 🖂 26°C sg: 1.022 12.5 cm 100L



Coralliozetus angelica 394 3 ~ € ♥ № □ 26°C sg: 1.022 4 cm 50L



Coralliozetus micropes 394 3 ~ 0 ♥ № □ 26°C sg: 1.022 4 cm 50L



Hemiemblemaria simulus 394 2 ~ € ♥ № 🖾 26°C sg: 1.022 10 cm 100L



Emblemaria walkeri 394 3 ~ 0 ♥ 🖾 🗆 26°C sg: 1.022 6 cm 60L



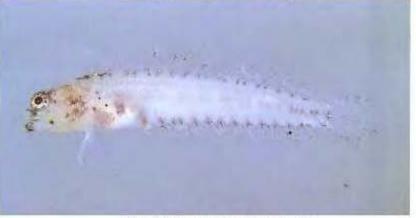
Emblemaria piratula 394 2 ~ € ♥ № □ 26°C sg: 1.022 5 cm 50L



Emblemaria pandionis 394 2 ~ € ▼ 🖼 🗔 26°C sg: 1.022 5 cm 50L



Emblemaria hypacanthus 394 3 ~ € ♥ 🖼 🗀 26°C sg: 1.022 5 cm 50L



Coralliozetus diaphanus 394 2 ~ € ♥ 🗆 26°C sg: 1.022 4 cm 50L



Emblemaria bottomei 394 2 ∼ € ♥ № □ 26°C sg: 1.022 5 cm 50L



Protemblemaria bicirrhis 394 3 → 0 ♥ 🖼 🗔 26°C sg: 1.022 3.5 cm 50L



Protemblemaria lucasana 394 3 ~ € ♥ ﷺ 🗔 26°C sg: 1.022 4.5 cm 50L



Plagiotremus phenax 395 9 ~ € ♥ \$\overline{\text{\tinte\text{\text{\text{\text{\text{\text{\text{\text{\text{\tininte\text{\texi}\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\texi{\texi}\text{\\tin\tin\exi{\text{\text{\text{\text{\texi}\text{\texi{\texi{\texi{\texi{



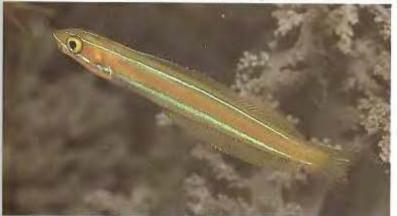
Plagiotremus laudandus flavus 395 6 ~ € ♥ ﷺ □ 26°C sg: 1.022 6 cm 60L



Plagiotremus azaleus 395 3 ~ € ♥ ﷺ 🖾 26°C sg: 1.022 7.5 cm 80L



Plagiotremus goslinei 395 6 ✓ € ♥ 🖼 🖂 26°C sg: 1.022 7.5 cm 75L



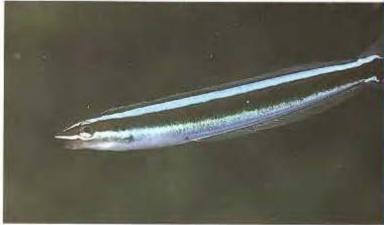
Plagiotremus rhinorhynchos 395 6-10 ~ ♥ ♥ □ 26°C sg: 1.022 12 cm 100L



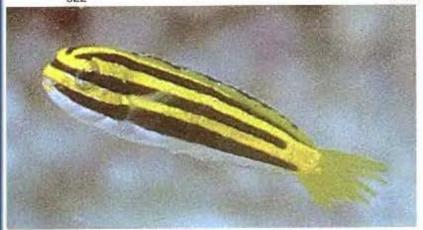
Plagiotremus rhinorhynchos 395 6-10 ~ € ♥ ﷺ 🗔 26°C sg: 1.022 12 cm 100L



Plagiotremus townsendi 395 ♂ 10 ~ • • ☑ □ 26 ° C sg: 1.024 6 cm 60L



Plagiotremus rhinorhynchos 395 6-10 ~ € ♥ 🖼 🗔 26°C sg: 1.022 12 cm 100L



Melacanthus lineatus 395 7 → 0 ♥ 12 26°C sg: 1.022 8 cm 80L



Meiacanthus grammistes 395 7 🍑 € 📭 🗔 26°C sg: 1.022 8cm 80L



Meiacanthus kamoharai 395 7 🍑 🕩 🖼 🗔 26°C sg: 1.022 8 cm 80L





Petroscirtes xestus 395 8 ~ ↑ ↑ ♥ 🖼 🗔 26°C sg: 1.022 12 cm 100L



Petroscirtes breviceps 395 7-8 ❖ € ♥ № □ 26°C sg: 1.022 10 cm 100L

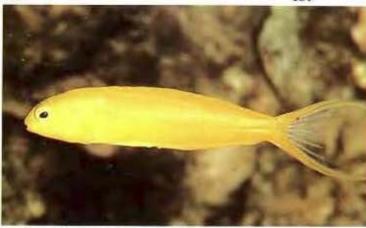


Petroscirtes breviceps 395 7-8 • • ▼ 🖼 🗔 26°C sg: 1.022 10 cm 100L



Aspidontus taeniatus 395 7-10 ~ € ♥ 🖼 🗔 26° C sg: 1.022 13 cm 150L





Meiacanthus oualanensis 395 6 ~ € ♥ ₩ 🖂 26°C sg: 1.022 7.5 cm 80L





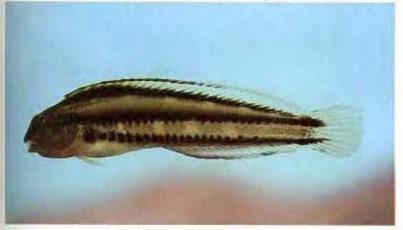
Meiacanthus atrodorsalis 395 6-9 ✓ • ▼ 🖼 🗔 26°C sg: 1.022 7.5 cm 80L



Meiacanthus bundoon 395 6 ~ 0 ♥ 월 □ 26°C sg: 1.022 9 cm 100L



Meiacanthus smithii 395 9 ~ € ♥ ﷺ 🖾 26°C sg: 1.022 8.5 cm 90L



Meiacanthus anema 395 6-7 ~ ○ ▼ 🚾 🗔 26°C sg: 1.022 9 cm 100L



Meiacanthus vittatus 395 7-8 → • • 🕶 🖃 26°C sg: 1.022 7.5 cm 80L



Aidablennius sphynx 395 15 ♀ ✓ → ● ♥ № □ 26°C sg: 1.024 7 cm 80L



Aldablennius sphynx 395 15 ℃ № 1 ♥ 1 □ 26°C sg; 1.024 7 cm 80L



Parablennius tentacularis 395 15 % ~ ↑ ● ♥ 🖼 🖂 26°C sg: 1.024 16 cm 200L



Salaria pavo 395 13 ♀ ~ ↑ € ♥ 🖼 🗔 26°C sg: 1.022 13 cm 150L



Lipophrys adriaticus 395 15 ♀ ▼ ↑ • ▼ 🖾 🗔 26°C sg: 1.024 10 cm 100L



Parablennius sanguinolentus 395 15 ♀ ◇ ↑ ① ♥ ☎ 🗀 26°C sg: 1.024 20 cm 200L



Lipophrys dalmatinus 395 15 € ~ ↑ • • • □ 26°C sg: 1.024 6 cm 60L



Parablennius rouxi 395 15 2 ~ ↑ € ♥ № 🖵 26°C sg: 1.024 8 cm 100L



Parablennius incognitus 395 15 ♀ ∽ + € ♥ № □ 26°C sg; 1.024 8 cm 100L



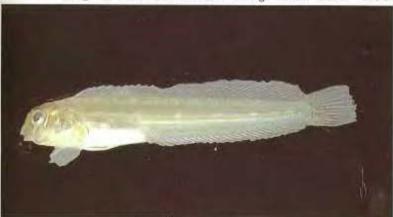
Lipophrys nigriceps 395 15 ♀ № € ♥ 🖼 🗔 23°C sg: 1.022 5.5 cm 75L



Lipophrys canevae 395 15 2 ~ ↑ • • ▼ = 26°C sg: 1.024 8 cm 100L



Lipophrys canevae 395 15 ♀ ▼ ● ♥ ☎ □ 26°C sg: 1.024 8 cm 100L



Omobranchus ferox 395 7,9 % ~ ● ♥ 🖾 🗔 26°C sg: 1.022 6 cm 60L

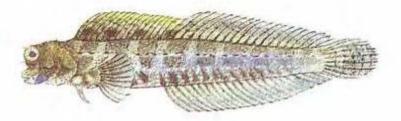


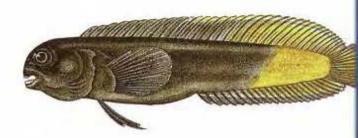


Omobranchus germaini 395 7 % ~ + • • ♥ № 🗔 26°C sg: 1.022 6 cm 60L



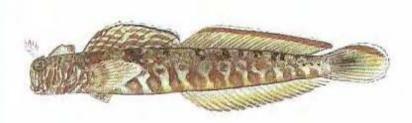
Omobranchus elegans 395 5 € ~ • • • □ 24°C sg: 1.023 7 cm 80L

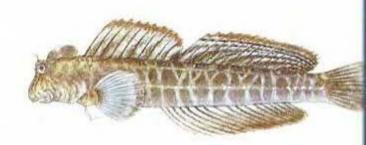


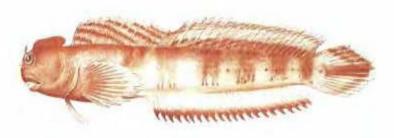


Salarias sp. 395

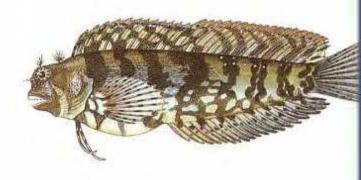
7 ♥ № □ 26°C sg: 1.022 10 cm 100L 7 ♥ № □ 26°C sg: 1.022 8 cm 80L







Istiblennius dussumieri 395 7 ~ € • 100L 26°C sg: 1.022 13 cm



Salarias fasciatus 395 7, 9 ~ € ♥ 🖼 🗀 26°C sg: 1.022 10 cm 100L



Xiphasia setifer 395 7, 9 ~ € ♥ № □ 26°C sg: 1.022 50 cm 500L



Xiphasia setifer 395 7, 9 ✓ € ♥ 🖾 🗆 26°C sg: 1.022 50 cm 500L



Laiphognathus multimaculatus 395 7-9 ♀ ~ ↑ ● ♥ 🎏 🗔 26°C sg: 1.022 4 cm 40L



Glyptoparus delicatulus 395 6-7, 9 % ~ ↑ • ♥ 😭 🖵 26°C sg: 1.022 3.5 cm 40L



Salarias sp. 395 7 ℃ → 0 ♥ 🖾 🗆 26°C sg: 1.022 10 cm 100L



Salarias guttatus 395 7 % ↑ ↑ ♥ 🎏 🗔 26°C sg: 1.022 7 cm 80L



Salarias fasciatus 395 6-9 2 ~ → • • ▼ 🖾 🗔 26°C sg; 1.022 15 cm 150L



Salarias irroratus 395 7 ² ~ ↑ ↑ ▼ 🖼 🗔 26°C sg: 1.022 7 cm 80L



Atrosalarias fuscus 395 7-8 2 ✓ + € ♥ \$ = 26°C sg; 1.022 15 cm 150L



Atrosalarias fuscus (juv.) 395 7-8 2 ~ ↑ • • ▼ 🖾 🗆 26°C sg: 1.022 15 cm 150L



Ophioblennius steindachneri 395 3 ♀ ◇► ↑ ● ♥ ☎ □ 26°C sg: 1,022 15 cm 150L



Ophioblennius atlanticus 395 1, 2 ₹ ★ € ♥ ₩ 🖂 24°C sg: 1.023 13 cm 150L



Cirripectes stigmaticus 395 6-8 2 √ ↑ ① ♥ № □ 26°C sg: 1.022 10 cm 100L



Cirripectes stigmaticus 395 6-8 2 √ ↑ € ♥ 12 26°C sg: 1.022 10 cm 100L



Cirripectes castaneus 395 7,9 € ~ ÷ € ♥ № 🗔 26°C sg: 1.022 10 cm 100L



Cirripectes filamentosus 395 7 2 → + 0 • 12 = 26°C sg: 1.022 8 cm 80L



Cirripectes alboapicalis 395 6 2 √ ↑ 1 ♥ 🌇 🗔 26°C sg: 1.022 8 cm 100L



Cirripectes chelomatus 395 8 % ~ ↑ • • № 🖾 🗆 26°C sg: 1.022 8 cm 100L

#446A 528.01



Salarias sp. 395 13 🗽 🖴 ♦ 🖤 🎏 🗔 26°C sg: 1.022 10 cm 100L

Salarias tasciatus 395 6-9 3 ~ → • • ▼ 🖾 🖂 26°C sg: 1.022 15 cm 150L



528.02 #446B



Cirripectes stigmaticus 395 6-8 2 ~ ↑ ↑ ▼ 🖾 🗔 26°C sg: 1.022 10 cm 100L

Cirripectes sp. 395 8 ♀ ∽ → • ▼ 🖼 🖂 26°C sg: 1.022 10 cm 100L



#446C 528.03



Meiacanthus nigrolineatus 395 10 ~ € ♥ 🖼 🗀 26° sg: 1.022 9.5 cm 100L





#446D 528.04







Ecsenius pulcher 395

9 ✓ ↑ ① ▼ 1 26°C sg: 1.022 7 cm 70L 9 ✓ ↑ ① ▼ 1 26°C sg: 1.022 7 cm 70L







#446E 528.05







Ecsenius midas 395

9-10 ♀ ▼ ▼ ▼ □ 26°C sg: 1.022 13 cm 150L

Ecsenius midas 395

9-10 ♀ ▼ ▼ □ 26°C sg: 1.022 13 cm 150L







#446F 528.06



Ecsenius stigmatura 395

7 ♀ ◇ ↑ ♠ ♥ № □ 26°C sg: 1.022 6 cm 60L

7 ♀ ◇ ↑ ● ♥ № □ 26°C sg: 1.022 6 cm 60L





Ecsenius frontalis 395

10 ♀ ✓ ♀ € ♥ № □ 26°C sg: 1.026 8 cm 80L

10 ♀ ✓ ↑ € ♥ № □ 26°C sg: 1.026 8 cm 80L





Ecsenius frontalis 395

10 ♀ ▽ ↑ ♠ ♥ № □ 26°C sg: 1.026 8 cm 80L 6-9 ♀ ▽ ↑ ♠ ♥ № □ 26°C sg: 1.022 8 cm 100L



528.07 #446G





Ecsenius bicolor 395
6-9 ♀ ◇ → ♠ ① ♥ № □ 26°C sg: 1.022 8 cm 100L
6-9 ♀ ◇ → ♠ ① ♥ № □ 26°C sg: 1.022 8 cm 100L



Ecsenius bicolor 395 6-9 ♀ ◇ ↑ € ♥ № □ 26°C sg: 1.022 8 cm 100L 6-9 ♀ ◇ ↑ € ♥ № □ 26°C sg: 1.022 8 cm 100L







528.08 #446H



Ecsenius namiyei 395

7 3 1.022 9 cm 100L 7 1 1.022 8 cm 100L 2 1.022 8 cm 100L









Ecsenius lineatus 395

7 ♀ → ♠ ♥ № □ 26°C sg: 1.022 8 cm 100L 7 ♀ → ♠ ♥ № □ 26°C sg: 1.022 8 cm 100L



#4461 528.09



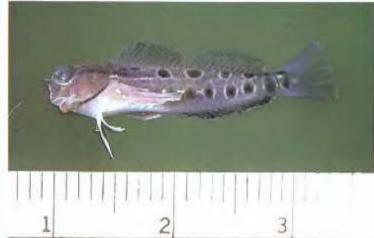




Ecsenius oculus 395
6-7 ♀ ✓ → € ♥ ☐ 26°C sg: 1.022 7 cm 80L 7 ♀ ✓ → € ♥ ☐ 26°C sg: 1.022 5 cm 50L







#446J 528.10











Ecsenius nalolo 395
9-10 2 ~ ↑ € ▼ 26°C sg: 1.022 7 cm 80L 9-10 2 ~ ↑ € ▼ 26°C sg: 1.022 7 cm 80L



#446K 528.11











Ecsenius stictus 395

8 ♀ ▽ → ① ▼ ※ □ 26°C sg: 1.022 5 cm 50L 8 ♀ ▽ → ① ▼ ※ □ 26°C sg: 1.022 5 cm 50L



#446L 528.12



Ecsenius axelrodi 395 7 ℃ № ♥ № 🖾 🖸 26°C sg: 1.022 5 cm 50L















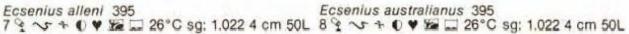
Ecsenius bathi 395

7 ℃ → ① ♥ № □ 26°C sg: 1.022 4 cm 50L 7 ℃ → ↑ ○ ♥ № □ 26°C sg: 1.022 4 cm 50L



528.14 #446N









Ecsenius fijiensis 395
6 € ~ ↑ • • ▼ □ 26°C sg: 1.022 4 cm 50L 6, 8 € ~ ↑ • • ▼ □ 26°C sg: 1.022 5 cm 50L







#4460



Ecsenius isos





Ecsenius pictus 395

7 ★ ♥ ♥ 🖾 □ 26°C sg: 1.022 5 cm 50L 7 ♀ ★ € ♥ 🖾 □ 26°C sg: 1.022 5 cm 50L







#446P 528.16







Ecsenius aequalis 395

8 ♀ ✓ ↑ ○ ▼ ☑ 26°C sg: 1.022 4 cm 50L 8 ♀ ✓ ↑ ○ ▼ ☑ 26°C sg: 1.022 4 cm 50L









Entomacrodus striatus 395



Entomacrodus striatus 395
6-7, 9 ⅔ ∿ ↑ € ♥ № □ 26°C sg: 1.022 9 cm 100L
6-7 ⅔ ∿ ↑ € ♥ № □ 26°C sg: 1.022 17 cm 200L



Scartella cristata 395

2, 13 € ~ ↑ ↑ ♥ № □ 26°C sg: 1.022 11 cm 100L

Entomacrodus nigricans 395

2 2 € ~ ↑ ↑ ♥ № □ 26°C sg: 1.022 8 cm 100L

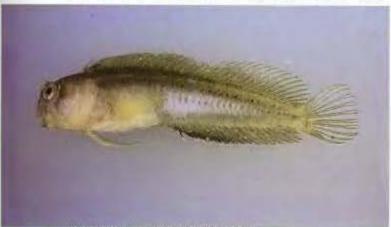




Parablennius marmoreus 395 2 2 ~ + 0 ♥ 1 = 26°C sg: 1.022 8 cm 100L



Parablennius tasmanianus 395 12-13 9 ~ + 0 ♥ 1 □ 23°C sg: 1.024 13 cm 150L





 Parablennius marmoreus 395
 Parablenneus marmoreus 395

 2 ♀ ~ ↑ € ♥ № □ 26°C sg: 1.022 8 cm 100L

 2 ♀ ~ ↑ € ♥ № □ 26°C sg: 1.022 8 cm 100L



Hypsoblennius brevipinnis 395 3 ℃ ↑ € ♥ 🖼 🗔 26°C sg: 1.022 12 cm 150L



Hypsoblennius gentills 395 3 € ~ + € ♥ 🖾 🗔 26°C sg: 1.022 15 cm 200L



Hypleurochilus bermudensis 395 1-2 € ✓ + € ♥ 🖼 🗔 24°C sg: 1.023 10 cm 100L



Salarias ceramensis 395 7 ℃ → ① ♥ 🖾 🗔 26°C sg: 1.022 6 cm 60L



Scartella cristata 395 2, 13 ♀ ◆ ◆ ♥ ♥ □ 26°C sg: 1.022 11 cm 100L



Parablennius gattorugine 395 13-15 ♀ 🌣 竞 ♥ 🎏 🖂 23°C sg: 1.024 30 cm 300L



Stanulus talboti 395 7-8 ♀ ◇ → • • ♥ № □ 26°C sg: 1.022 4 cm 50L



Stanulus seychellensis 395 9 ♀ ∽ → • • ♥ ☎ □ 26°C sg: 1.022 3.5 cm 40L



Istiblennius edentulus 395 6-9 ♀ ▼ ↑ € ♥ № 🗔 26°C sg: 1.022 18 cm 200L



Istiblennius gibbifrons 395 6-7, 9 ♀ ∽ ↑ ● ♥ № 🗔 26°C sg: 1.022 13 cm 150L



Istiblennius meleagris 395 7 2 ~ + ● ♥ 🖼 🗀 26°C sg: 1.022 9 cm 100L

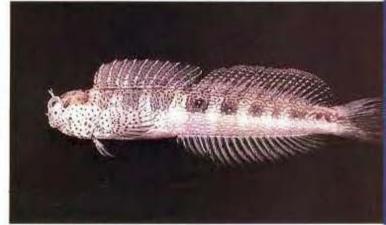


Istiblennius chrysospilos 395 6-8 ♀ ◇ ↑ ● ♥ ☎ □ 26°C sg: 1.022 10 cm 100L









| Istiblennius zebra 395 | Istiblennius chrysospilos 395 | 6 € √ → € ♥ № □ 26°C sg: 1.022 10 cm 100L | 6-8 € √ → € ♥ № □ 26°C sg: 1.022 10 cm 100L





Cirripectes variolosus 395 6-7, 9 2 → ↑ ● ♥ 🖾 🗆 26°C sg: 1.022 8 cm 100L



Plagiotremus tapeinosoma 395 6-9 ✓ € ♥ № 🖾 26°C sg: 1.022 16 cm 200L



Ecsenius bicolor 395 6-9 ♀ ◇ → ● ♥ ★ □ 26°C sg: 1.022 8 cm 100L



Aspidontus dussumieri 395 6-10 ▼ • ▼ № 🖾 26°C sg; 1.022 13 cm 150L



Pereulixia kosiensis 395 9 ℃ ↑ • • ▼ 🖼 🗆 26°C sg: 1.022 24 cm 300



Melacanthus mossambicus 395 9 ⅔ ∿ € ♥ № № 26°C sg: 1.022 9 cm 100L



Ecsenius bicolor 395 6-9 2 ~ → • • • ■ □ 26°C sg: 1.022 8 cm 100



Ecsenius midas 395 9-10 ♀ ◆ ● ♥ № № 25 26°C sg: 1.022 13 cm 150L



Ecsenius oculus 395 6-7 3 ~ + ● ♥ 1 26°C sg: 1.022 7 cm 80L



Ecsenius lineatus 395 7 3 3 1.022 8 cm 100L



Ecsenius nalolo 395 9-10 ⅔ ∿ ★ ● ♥ № 🞞 26°C sg: 1.022 7 cm 80L



Ecsenius midas 395 9-10 ♀ ~ ↑ ♥ № № 2 26°C sg: 1.022 13 cm 150L



Ecsenius oculus 395 6-7 2 ~ + ● ▼ 12 26°C sg: 1.022 7 cm 80L



Ecsenius lineatus 395 7 % ↑ ↑ ● 🕊 🗔 26°C sg: 1.022 8 cm 100L



Ecsenius gravieri 395 9-10 ♀ ◇ ◐ ♥ № № 26°C sg: 1.022 8 cm 100L



Istiblennius edentulus 395 6-9 2 ~ → ↑ ♥ № □ 26°C sg; 1.022 18 cm 200L





Omobranchus elongatus 395 6-9 3 → 4 € ▼ 1 26°C sg: 1.022 8 cm 100L



Exallias brevis 395 6-10 ✓ ♦ € ♥ № 🗔 26°C sg: 1.022 15 cm 200L



Istiblennius periophthalmus 395 6-9 2 ~ ↑ ① ♥ 🖼 🗆 26°C sg: 1.022 16 cm 200L



Istiblennius dussumieri 395 6-9 ♀ ◇ ↑ ● ♥ 🎏 🖂 26°C sg: 1.022 14 cm 150L



Petroscirtes mitratus 395 6-10 ♀ → ♦ ♦ ♥ № □ 26°C sg: 1.022 9 cm 100L



Congrogadus subducens 376 7 文 、 ① 火 歸 □ 26°C sg: 1.022 50 cm 500L



Synchiropus picturatus 399 7 ~ ○ ♥ ﷺ 🗔 26°C sg: 1.022 7 cm 80L

Pterosynchiropus splendidus 399 7 ✓ 0 ♥ ﷺ 🗔 26°C sg: 1.022 6 cm 80L





Dactylopus dactylopus 399 12 ℃ ▼ ▼ □ □ 23°C sg: 1.024 18 cm 200L



Neosynchiropus sp. 399 7-8 € ✓ (▼ 15 🖂 26°C sg: 1.022 10 cm 100L



Dactylopus dactylopus 399 12 ♀ ▼ • ▼ ■ □ 23°C sg: 1.024 18 cm 200L



Diplogrammus xenicus 399 7 ℃ ♥ ♥ ➡ □ 26°C sg. 1.022 7 cm 80L



Synchiropus papilio 399 7-10 € ~ € ♥ क □ 24°C sg: 1.023 12 cm 100L



Neosynchiropus ocellatus 399 7,9 € → € ♥ 🖬 🗆 26°C sg: 1.022 9 cm 100L

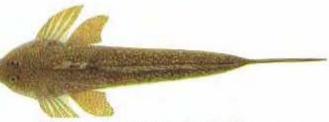


Repomucenus beniteguri 399 7 → • • □ □ 26°C sg: 1.022 16 cm 200L



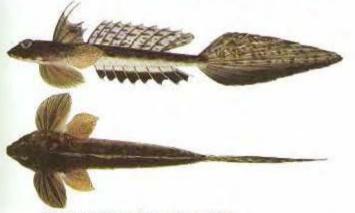
Neosynchiropus ijimai 399 5, 7 ♀ ❖ € ♥ ➡ □ 23 °C sg: 1.023 7 cm 75L



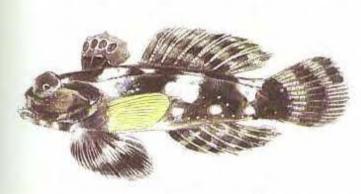




Repomucenus richardsoni 399 ♀ Repomucenus richardsoni 399 ♂ 5, 7 ◇ ↑ ↑ ♠ □ 26°C sg: 1.022 20 cm 200L 5, 7 ◇ ↑ ↑ ♠ □ 26°C sg: 1.022 20 cm 200L







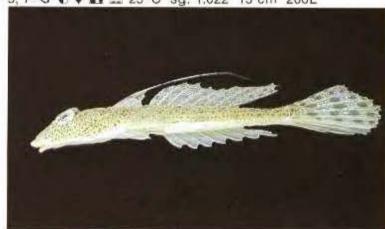
Neosynchiropus ocellatus 399 7,9 % ∿ € ♥ 📾 🗔 26°C sg: 1.022 9 cm 100L



Foetorepus sp. 399 5, 7 ~ € ♥ ★ 🗔 25°C sg: 1,022 15 cm 200L



Callionymus calcaratus 399 12 ~ 0 ♥ 🖬 🗆 24°C sg: 1.023 7 cm 80L



Callionymus goodladi 399 7, 12 V V 1 25°C sg: 1.022 14 cm 150L

Synchiropus sp. 399 7-9 • • ▼ 🖬 🗆 25°C sg: 1.022 7 cm 75L



Synchiropus sp. 399 7-9 ~ ↑ ♥ 🖬 🖃 25°C sg: 1.022 7 cm 75L



Paradiplogrammus bairdi 399 2 → 0 ♥ 🖬 🗔 26°C sg: 1.022 11.4 cm 100L





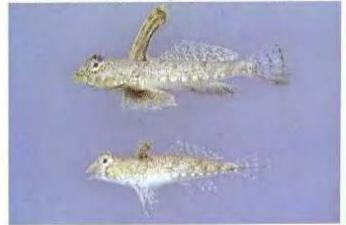
Synchiropus marmoratus 399 9 ~ € V 🖪 🗔 26°C sg: 1.022 13 cm 150L



Synchiropus sp. 399 7-8 ~5 € ¥ 🖬 🗆 25°C sg: 1.022 8 cm 80L



Diplogrammus pauciradiatus 399 2 ~ € ♥ 🖪 🗔 25°C sg: 1.022 5 cm 50L



Paradiplogrammus bairdi 399

 Paradiplogrammus bairdi 399
 2 → € ▼ □ 26°C sg: 1.022 11.4 cm 100L
 Paradiplogrammus bairdi 399

 2 → € ▼ □ 26°C sg: 1.022 11.4 cm 100L
 2 → € ▼ □ 26°C sg: 1.022 11.4 cm 100L



Trichonotus setigerus 384 7-9 ~ € ♥ 📠 🗔 26°C sg: 1.022 25 cm 300L





Synchiropus sp. 399 7,8 ~ € ♥ • □ 26°C sg: 1.022 8 cm 100L



Synchiropus sp. 399 7,8 ~ € ♥ • □ 26°C sg: 1.022 9 cm 100L



Trichonotus setigerus 384 7-9 ✓ • ▼ 📠 🗔 26°C sg: 1.022 25 cm 300L



Pterosynchiropus splendidus 399 7 √ C ♥ № 🗔 26°C sg: 1.022 6 cm 80L



Synchiropus picturatus 399 7 ~ C ♥ № 🗔 26°C sg: 1.022 7 cm 80L

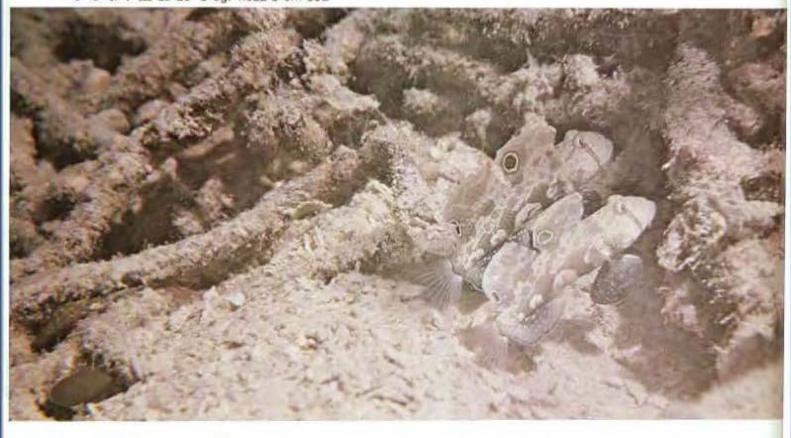


Synchiropus sp. 399 7,8 ~ € • • • □ 26°C sg: 1.022 8 cm 100L

540 #457



Signigoblus biocellatus 403 6 🍑 € 🕶 🚾 26°C sg: 1.022 5 cm 50L





Nemateleotris magnifica 403 6-9 2 ✓ 0 ♥ ₩ ☑ 26°C sg: 1.022 9 cm 100L

Cryptocentrus cinctus 403 7,9 ~ € ♥ 🖃 🖾 26°C sg: 1.022 8 cm 80L



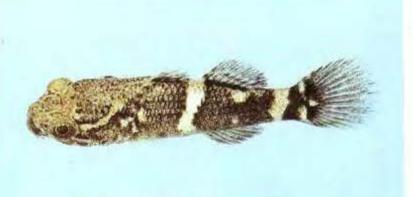


542

Oxymetopon sp. 402 7 ♥ ♠ ➡ 26°C sg: 1.022 20 cm 200L



Oxymetopon cyanoctenosum 402 7 ♥ ● ■ 26°C sg: 1.022 20 cm 200L



Ophiocara porocephala (juv.) 402 7, 9 € ~ € ▼ 🖬 🗆 26°C sg: 1.020 34 cm 400L



Bostrychus sinensis (adult) 402 7全文文 文 및 編□ 26°C sg; 1.022 10 cm 100L



Eleotris cf acanthopoma 402 7 2 ~ € ♥ 🖬 🗔 26°C sg: 1.022 18 cm 200L



Butis amboinensis 402 7 ◇ 、 ○ 火 墜 □ 26°C sg: 1.017 8 cm 100L



Ophiocara porocephala 402 6-9 ⅔ ∿ € ♥ ➡ □ 26°C sg: 1.018 16 cm 200L



Bathygobius laddi 403 7, 9 → 0 ♥ 🖬 🗆 26°C sg: 1.022 5 cm 50L



Amblyeleotris aurora 403 9 € ~ • • □ □ 26°C sg: 1.022 9 cm 100L



Amblyeleotris fontanesii 403 7 ⅔ 🌣 🕩 🕊 🖾 🚨 26°C sg: 1.022 15 cm 200L



Amblyeleotris steinitzi 403 7-10 ♀ ◇ • • ▼ 🗔 🚍 26°C sg: 1.022 8 cm 80L



Amblyeleotris sp. 403 9 ♀ ◆ ● ➡ ➡ 26°C sg: 1.022 6 cm 60L



Amblyeleotris fasciatus 403 9 ℃ ♥ □ □ 26°C sg: 1.022 6 cm 60L



Amblyeleotris periophthalmus 403 12 % ~ € ♥ ➡ ☐ 24°C sg: 1.023 5 cm 50L



Amblyeleotris sungami 403 7-10 ♀ • ♥ ➡ ➡ 26°C sg: 1.022 10 cm 100L



Amblyeleotris diagonalis 403 7-9 ♀ ❤ € ♥ ➡ □ 26°C sg: 1.022 6 cm 60L





Goby sp. 2 403
13 2 3 0 ▼ 1 26°C sg: 1.022 2.5 cm

Amblyeleotris latifasciata 403
7-8 2 3 0 ▼ 1 26°C sg: 1.022 7 cm



Amblyeleotris randalli 403 7 ~ € • • □ □ 26°C sg: 1.022 3 cm 40L



Amblyeleotris sp. aff periophthalmus 403 12 • ■ □ 24°C sg: 1.023 5 cm 50L



Amblyeleotris wheeleri 403 7-9 → • • □ □ 26°C sg: 1.022 9 cm 100L





Amblyeleotris sp. 403 8 ~ € ♥ □ □ 26°C sg: 1.022 4 cm 40L



Amblyeleotris guttata 403 7 ~ 0 ♥ ➡ ➡ 26°C sg: 1.022 7 cm 80L



Amblyeleotris gymnocephala 403 7,9 ~ € ♥ 🖾 🗔 26°C sg: 1.022 14 cm 150L



546 #461



Ambyeleatris sp. 403 ? ✓ • ▼ 🕳 🗔 26°C sg: 1.022 13 cm 150L



Amblyeleotris steinitzi 403 7-10 • • ▼ 🖬 🗔 26°C sg; 1.022 8 cm 100L



Ambyeleotris sungami 403 7-10 ♀ ◇ • ♥ ➡ ➡ 26°C sg: 1.022 10 cm 100L





Valenciennea puellaris 403 7, 9 → • • □ □ 26°C sg: 1.022 14 cm 150L



Ctenogobiops aurocingulus 403 6-8 ✓ € ♥ 🗔 🗔 26°C sg: 1.022 4 cm 50L



Sagamia geneionema 403 5, 7 → ① ♥ ➡ ☐ 26°C sg: 1.022 9 cm 100L



Amblygobius sp. 403 7-8 → • ▼ 🖾 🗔 26°C sg: 1.022 10 cm 100L



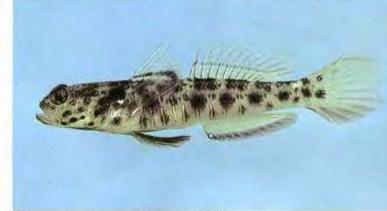
Cryptocentrus cinctus 403 7-8 ~ 0 ♥ 🖃 🖾 26°C sg: 1.022 8 cm 100L







Ctenogobiops aurocingulus 403 6-8 ~ € ♥ 26°C sg: 1.022 4 cm 50L

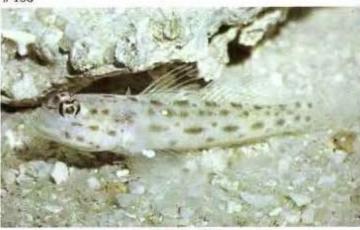


Ctenogobiops aurocingulus 403 6-8 ~ ● ♥ 🗔 🗔 26°C sg: 1.022 4 cm 50L



Ctenogobiops pomastictus 403 7-8 ~ € ♥ ➡ ☐ 26°C sg: 1.022 4.5 cm 50L





Ctenogobiops pomastictus 403 7-8 ✓ 0 ♥ 🐷 🗆 26°C sg: 1.022 4.5 cm 50L



Cryptocentrus ambanora 403 8 ~ 0 ♥ □ □ □ 26°C sg: 1.022 5 cm 50L



Gobius casamancus 403 13 > 10 ♥ 🔜 🗆 26°C sg: 1.022 11.2 cm 100L





Amblyeleotris sp. cf Japonicus 403 7-8 🍑 🌓 🕶 🚍 26°C sg: 1.022 10 cm 100L





Tomiyamichthys oni 403 6-8 ~ € ♥ ➡ ➡ 26°C sg: 1.022 10 cm 100L







Cryptocentrus lutheri 403 10 ~ € □ □ □ 26°C sg: 1.022 11 cm 100L





Cryptocentrus cinctus 403 7,9 • • • □ □ 26°C sg: 1.022 8 cm 80L



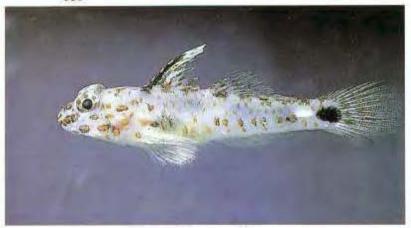
Cryptocentrus fasciatus 403 7 ✓ () ♥ 🗔 🖃 26°C sg: 1.022 8 cm 100L



Cryptocentrus strigilliceps 403 7,9 • • ■ □ 26°C sg: 1.022 5 cm 50L



Ctenogobiops feroculus 403 8-10 • • ■ □ 26°C sg: 1.022 6 cm 80L



Fusigobius sp. 403 7 ~ € • ■ 26°C sg: 1.022 5 cm 50L



?Eviota sp. 403 8 ~ € ♥ ■ □ 26°C sg: 1.022 3 cm 50L



Oplopomus oplopomus 403 6-10 ~ • • □ □ 26°C sg: 1.022 8 cm 100L



Nes longus 403





?Eviota sp. 403 8 ~ € ♥ 🖬 🗆 26°C sg: 1.022 3 cm 50L



Yongeichthys criniger? 403 6-10 ♥ ♥ ➡ □ 26°C sg: 1.022 13 cm 150L



Nes I ongus 403 2 ~ 0 ♥ 🗔 🗆 26°C sg: 1.022 100L 2 ~ 0 ♥ 🚍 🗔 26°C sg: 1.022 10 cm 100L



Amblygobius rainfordi 403 7 ~ 0 ♥ 1 □ 26°C sg: 1.022 10 cm 100L



Signigobius biocellatus 403 6 ~ € ♥ ₩ 🖂 26°C sg: 1.022 5 cm 50L



Nesogobius sp. 403 7 ~ € ♥ № □ 26°C sg: 1.022 6 cm 80L



Eviota sp. 403 8 ~ • • ▼ № □ 26°C sg: 1.022 3.5 cm 50L



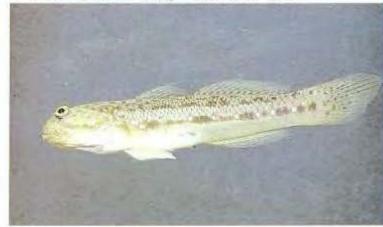
Pandaka lidwilli 403 7 ~ • • ₩ 🖾 🗆 26°C sg: 1.022 4 cm 50L



Silhouettea insinuans 403 7 ~ 0 ♥ № 🗆 26°C sg: 1.022 4 cm 50L



Kellogella cardinalis 403
6 ✓ • ▼ 🖼 🗔 26°C sg: 1.022 3 cm 50L 7 ✓ • • ▼ 🖼 🖂 26°C sg: 1.018 6 cm 80L

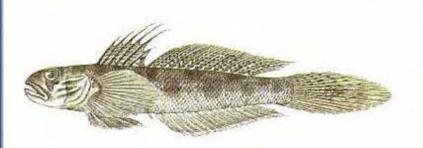




Rhinogobius brunneus 403 5 ✓ 0 ♥ 🖬 🖂 26°C sg: 1.018 10 cm 100L



Yongeichthys criniger 403 7-10 ▼ • ▼ 🖬 🗆 26°C sg: 1.022 15 cm 200L





Oxyurichthys papuensis 403 6 🍑 € 🗣 🗔 26°C sg: 1.022 17 cm 200L



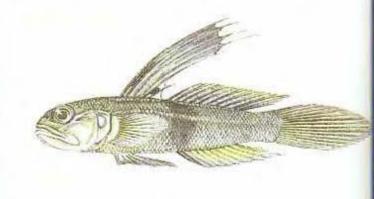
Acanthogobius flavimanus 403 5 → 0 ♥ 🖬 🗆 26°C sg: 1.022 10 cm 100L



Stiphodon sp. 403 7 ~ € ♥ ■ □ 26°C sg: 1.022 4.5 cm 50L



Myersina nigrivirgata 403 8 ~ € ♥ 🖬 🗔 26°C sg: 1.022 8 cm 80L



Myersina macrostoma 403 7 → € ♥ 🖬 🗔 26°C sg: 1.022 6 cm 80L



Tridentiger trigonocephalus 403 5 ~ • • ★ 🖾 26°C sg: 1.022 4 cm 50L



Stonogobiops xanthorhinica 403 7.8 ~ € V 🖪 🗔 26°C sg: 1.022 10 cm 100L



Asterropteryx sp. 403 7,9 ~ € ♥ • □ □ 26°C sg: 1.022 7 cm 80L



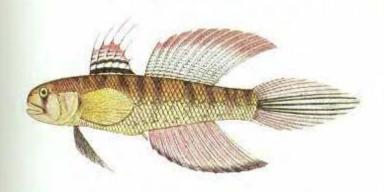
Mahidolia mystacina 403 7-9 < ● ♥ क 🗔 26°C sg: 1.022 8 cm 100L



Lotilia graciliosa 403 7-10 ~ € ♥ 🖬 🗔 26°C sg: 1.022 4 cm 50L



Gobulus myersi 403 2 ~ 5 € ♥ 🖬 🗔 26°C sg: 1.022 3 cm 50L







Amblygobius phalaena 403 7 ~ • • ▼ 📥 🗆 26°C sg: 1.022 10 cm 100L





Amblygobius phalaena 403 7 ℃ ♥ ➡ 🗆 26°C sg: 1.022 10 cm 100L



Amblygobius bynoensis 403 6-7 ~ € ♥ ■ 1 26°C sg: 1.022 10 cm 100L



Amblygobius phalaena 403 7 • • ■ □ 26°C sg: 1.022 10 cm 100L



Amblygobius phalaena 403 7 ~ € • • • 26°C sg: 1.022 10 cm 100L



Amblygobius sphynx 403 7, 9 ~ ↑ ↑ ▼ 🗗 🗆 26°C sg: 1.022 18 cm 200L



Amblygobius bynoensis 403 6-7 ~ € V ■ □ 26°C sg: 1.022 10 cm 100L



Amblygobius decussatus 403 7 ~ □ ▼ ■ □ 26°C sg: 1.022 7.5 cm 80L



Amblygobius nocturnus 403 9 ~ € ♦ 🗖 🗆 26°C sg: 1.022 10 cm 100L



Amblygobius seminctus 403 9 ~ € ♥ 🖬 🗆 26°C sg: 1.022 10 cm 100L

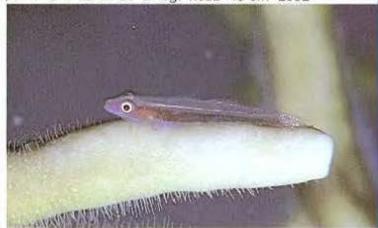




Amblygobius hectori 403 10 ~ • • □ □ 26°C sg; 1.022 5 cm 50L







Bryaninops sp. 403 8 ~ € ♥ ★ □ 26°C sg: 1.022 3 cm 50L



Cryptocentrus sp. 403 7-8 → • • □ □ 26°C sg. 1.022 8 cm 80L



Amblyeleotris steinitzi 403 7-10 ♥ ● ♥ 🗖 🗆 26°C sg: 1.022 8 cm 100L







Cryptocentrus fasciatus 403 7 ♥ ● □ □ 26°C sg: 1.022 8 cm 80L



Cryptocentrus fasciatus 403 7 ♥ ♠ ☐ 26°C sg: 1.022 8 cm 80L



Cryptocentrus niveatus 403 7 ~ € • • □ □ 26°C sg: 1.022 11 cm 100L



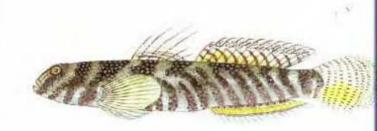
Cryptocentrus niveatus 403 7 🌣 € 🔻 🗖 🗆 26°C sg: 1.022 11 cm 100L







Cryptocentrus leptocephalus 403 7-9 ◇ • • □ □ 26°C sg: 1.022 10 cm 100L



Cryptocentroides insignis 403 7 • • ▼ □ □ 26°C sg: 1.022 9 cm 100L



Cryptocentrus cinctus 403 7.8 ✓ • ▼ 📠 🗆 26°C sg: 1.022 8 cm 100L



Cryptocentrus albidorsus 403 7 • • • ■ □ 26°C sg: 1.022 6 cm 60L





 Cryptocentrus sp. 403
 ? Unidentified Goby 403

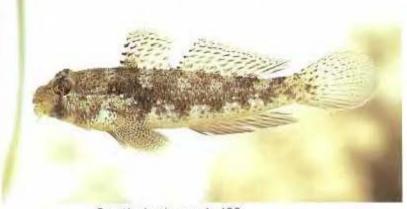
 8 ~ ● ▼ □ □ 26°C sg: 1.022 8 cm 100L
 8 ~ ● ▼ □ □ 26°C sg: 1.022 11 cm 100L

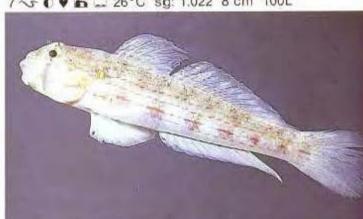


Gnatholepis thompsoni 403 2 5 € V 📭 🗔 26°C sg: 1.022 7.5 cm 80L



Gnatholepis deltoides 403 7~ 0 V m = 26°C sg: 1.022 8 cm 100L

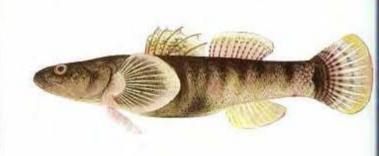




Gnatholepis inconsequens 403 7 ~ • • ▼ 🖬 🗔 26°C sg: 1.022 6 cm 80L



Favonigobius lateralis 403 7 ~ € V In 🗔 26°C sg: 1.022 6 cm 60L



Chaenogobius urotaenia 403 5, 7 → 0 ♥ 🖬 🗆 24°C sg: 1.023 11 cm 100L



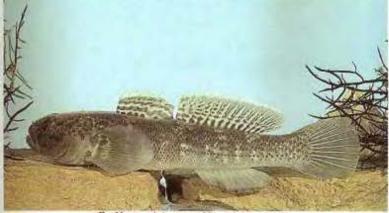


Caffrogobius caffer 403
9 ✓ € ▼ ■ □ 26°C sg: 1.022 18 cm 200L 14 ✓ € ▼ ■ □ 26°C sg: 1.022 7 cm 80L



Gobius niger 403 13-15 ~ • ▼ 🖬 🗔 26°C sg: 1.024 15 cm 150L









Gobius cruentatus 403 13-15 ~ • • ▼ ➡ □ 26°C sg: 1.024 18 cm 200L



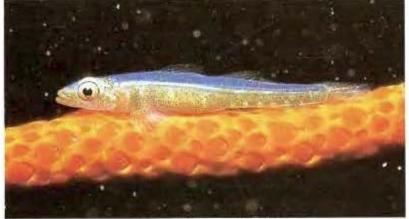
Gobius auratus 403 14-15 ~ € ♥ 🗗 🖃 26°C sg: 1.024 12 cm 100L



Gobius elanthematicus 403 15 ~ 0 ♥ ➡ ☐ 26°C sg: 1.024 12 cm 100L



Gobius niger 403 13-15 • • • ■ □ 26°C sg: 1.024 15 cm 150L



Bryaninops amphis 403 8 ~ € • ■ □ 26°C sg: 1.022 3 cm 50L



Bryaninops sp.403 8 ~ € ♥ ₩ 🖂 26°C sg: 1.022 3 cm 50L



Bryaninops natans 403 8 ~ € ♥ \$ □ 26°C sg: 1.022 3 cm 50L





Parioglossus formosus 403 7 ~ € ♥ ﷺ 🗆 26°C sg: 1.022 2.8 cm 50L



Parioglossus lineatus 403 7 ~ € ♥ 🖼 🖂 26°C sg: 1.022 3 cm 50L



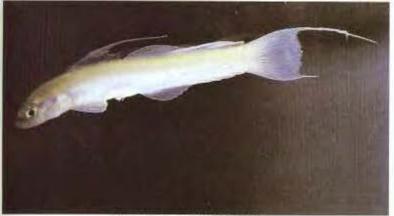




Ptereleotris sp. 403 7 ~ € ♥ 🚾 🖂 26°C sg: 1.022 7 cm 80L



Nematelotris helfrichi 403 6 ~ • • ■ ⊟ 26°C sg: 1.022 5 cm 50L



Ptereleotris hanae 403 7 → 0 ♥ 🖾 🗆 26°C sg: 1.022 8 cm 80L



Ptereleotris monoptera 403 7 ~ € ♥ \$\overline{\text{M}} \overline{\text{E}} \overline{\text{E}} \overline{\text{C}} \overline{\text{Sg}} \overline{\text{C}} \overline{\text{Sg}} \overline{\text{E}} \overline{\text{E}} \overline{\text{C}} \overline{\text{Sg}} \overline{\tex





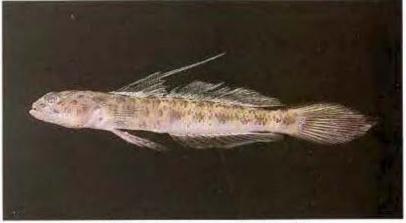
Ptereleotris zebra 403 6-9 ~ 0 ♥ № 🗔 26°C sg: 1.022 10 cm 100L

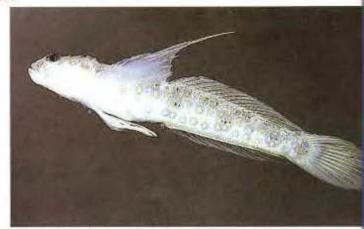


Gobionellus saepepallens? 403 2 ~ 5 € ♥ 🚾 🗔 26°C sg: 1.022 5 cm 50L



Vomerogobius flavus 403 2 ~ € ♥ ﷺ 🗔 26°C sg: 1.022 4 cm 50L

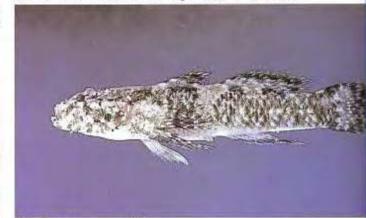




Vanderhorstia ornatissima 403 7-9 ~ € V In □ 26°C sg: 1.022 7 cm 80L



Callogobius snelliusi 403 7 ✓ • • □ □ 26°C sg: 1.022 5 cm 50L



Callogobius sp. 403 7 ~ € ♥ 🖬 🗆 26°C sg: 1.022 6 cm 60L



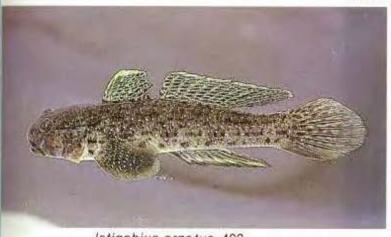
Callogobius mucosus 403 7 √ € ♥ 🖬 🗆 26°C sg: 1.022 6 cm 80L



Callogobius hasselti 403 7-8 ~ • • ★ 🖬 🖂 26°C sg: 1.022 8 cm 100L





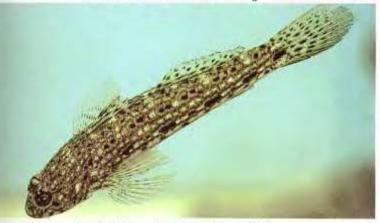


Istigobius ornatus 403 6-9 ✓ ● ▼ 🖬 🖃 26°C sg: 1.022 8 cm 80L



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Istigobius ornatus 403 6-9 ~ 0 ♥ In □ 26°C sg: 1.022 8 cm 80L



Istigobius nigroocellatus 403 5,7 ~ € ♥ ★ 🖾 26°C sg: 1.022 8 cm 80L





Istigobius goldmanni 403 7-10 ~ € ♥ 🖪 🗆 26°C sg: 1.022 8 cm 80L

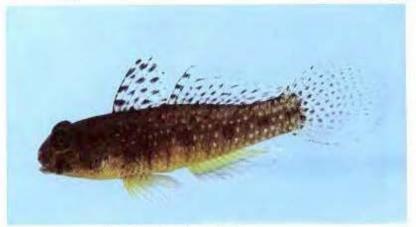


Istigobius ornatus 403 6-9 ~ 0 ♥ **R** □ 26°C sg: 1.022 8 cm 80L



Redigobius tessellatus 403 Unidentified Goby 403
7 № 1 □ 26°C sg: 1.022 5.2 cm 50L 7 № 1 □ 26°C sg: 1.022 8 cm 80L







Exyrias belissimus 403 7,9 <> € ♥ 🕞 🗔 26°C sg: 1.022 11 cm 100L



Aruma histrio 403 3 √ 0 ♥ 🖬 🗆 26°C sg: 1.022 6.4 cm 80L





Barbulifer ceuthoecus 403 2 ~ ↑ ♦ ▼ 🗗 🗆 26°C sg: 1.022 3 cm 50L



Barbulifer pantherinus 403 3 ~ 0 ♥ ➡ □ 26°C sg: 1,022 5 cm 50L



Bathygobius cocosensis 403

7, 9 → 0 ♥ ■ □ 26°C sg: 1.022 8 cm 80L 3 → 0 ♥ ■ □ 26°C sg: 1.022 11.4 cm 100L





Pterogobius zonoleucus 403 5, 7 √s () ♥ 🖬 🔲 23°C sg: 1.024 9 cm 100L



Pterogobius virgo 403 5, 7 → • • • □ 23°C sg: 1.024 16 cm 200L



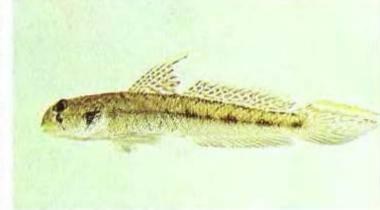
Pterogobius elapoides 403 5, 7 ♥ 0 ♥ 🖬 🗔 23°C sg: 1.024 8.5 cm 100L



Gobionellus stigmalophius 403 2 → ① ♥ 🗗 🗆 26°C sg; 1.022 16.5 cm 200L



Gobionellus stigmaticus 403 2 ~ € ♥ 📭 🗔 26°C sg: 1.022 8 cm 100L



Gobionellus saepepallens 403 2 ~ € • ★ 🗔 26°C sg: 1.022 5 cm 50L



Chasmichthys gulosus 403 5, 7 ~ • • • ★ 🖬 🗆 23°C sg: 1.024 10 cm 100L



Chasmichthys dolichognathus 403 5 🍑 (♥ 🖪 🗔 26°C sg: 1.022 3 cm 50L

Plate #481



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Valenciennea longipinnis 403 7 ♥ ♥ ➡ □ 26°C sg: 1.022 17 cm 200L



Valenciennea puellaris 403 7 ♥ ♥ ➡ □ 26°C sg: 1.022 12 cm 100L



Valenciennea sexguttata 403 7, 9 → 0 ♥ 🖬 🗆 26°C sg: 1.022 13 cm 150L



Valenciennea muralis 403 7 ~ € ♥ 🖬 🗆 26°C sg: 1.022 10 cm 100L



Valenciennea helsdingenii 403 7,9 → 0 ♥ 🖬 🗆 26°C sg: 1.022 16 cm 200L



Valenciennea puellaris 403 7 ♥ ● ♥ ■ □ 26°C sg: 1.022 12 cm 100L



Valenciennea strigata 403 7, 9 → • • □ 26°C sg: 1.022 18 cm 200



Plate #482 567



Unidentified Goby 403 8 ~ € ♥ 🖬 🗆 26°C sg: 1.022 4 cm 50L



Gymneleotris seminudus 403 3 ~ € ♥ 📠 🗔 26°C sg: 1.022 5 cm 50L



Chriolepis fisheri 403 2 ~ € • T = 26°C sg: 1.022 4 cm 50L



Chriolepis zebra 403 3 ▼ 0 ♥ 🖬 🗆 26°C sg: 1.022 6 cm 60L



Priolepis semidoliatus 403 7 ♥ ♥ ➡ □ 26°C sg: 1.022 3 cm 50L



Priolepis cinctus 403 7-9 ♀ ◇ ♥ ♥ ➡ □ 26°C sg: 1.022 6 cm 80L



Priolepis boreus 403 5 ~ € ▼ 🕟 🗔 26°C sg: 1.022 2.5 cm 50L



Priolepis hipoliti 403 2 ~ € • ■ □ 26°C sg: 1.022 3.5 cm 50L



Periophthalmus koelruteri 403 9 → • • □ 26°C sg: 1.022 10 cm 100L



Ptereleotris evides 403 7-10 ◆ ● ★ 🖽 26°C sg: 1.022 12 cm 150L



Ptereleotris heteropterus 403 7-9 → ● ♥ 🗟 🗏 26°C sg: 1.022 9 cm 100L



Vanderhorstia ambonoro 403 7-8 ~ € ▼ 📾 🖾 26°C sg: 1.022 8 cm 100L



Pleurosicya sp. 403 9 ~ € ♥ ♠ ➡ 26°C sg: 1.022 2.5 cm 30L



Ptereleotris evides 403 7-10 ~ € ♥ 🛱 🗎 26°C sg: 1.022 12 cm 150L

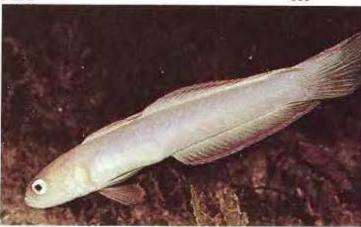


Ptereleotris microlepis 403 6-9 ~ € 26°C sg: 1.022 11 cm 100L

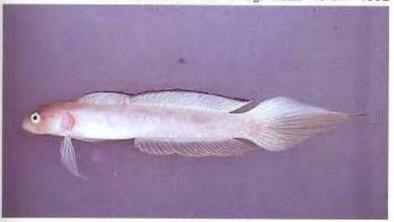




loglossus sp. 403 3 ~ € V In ... 26°C sg: 1.022 10 cm 100L



logiossus helenae 403 2 ~ € ♥ 🖪 🗆 26°C sg: 1.022 24 cm 300L



loglossus calliurus 403 2 ~ € ♥ 🖪 🗔 26°C sg: 1.022 10 cm 100L



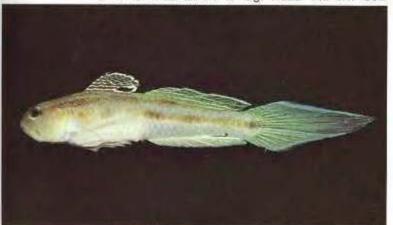
loglossus calliurus 403 2 ~ 0 ♥ m □ 26°C sg: 1.022 10 cm 100L



Microgobius carri 403 2 ~ € ♥ 📠 🗔 26°C sg; 1.022 7.5 cm 80L



Microgobius carri 403 2 ~ € • ■ □ 26°C sg: 1.022 7.5 cm 80L



Bollmannia boqueronensis 403



570 Plate #485



Ctenogobiops maculosus 403 8 2 ~ € ♥ 🖬 🗆 26°C sg: 1.022 7 cm 80L



Fusigobius sp. 403 7 ℃ ♥ ♠ □ 26°C sg: 1.022 6 cm 80L



Gobiodon citrinus 403 7-9 ♀ ◇ ① ♥ ➡ ➡ 26°C sg: 1.022 6 cm 80L



Nemateleotris decora 403 7-8 ⅔ ∿ € ❤ № 🖾 🖾 26°C sg: 1.022 7.5 cm 80L



Fusigobius neophytus 403 5 ℃ → O ▼ 🖾 🖂 26°C sg: 1.022 7.5 cm 80L



Gnatholepis sp. 403 7 2 ~ ● ▼ 🗔 🗆 26°C sg: 1.022 5 cm 50L





Nemateleotris decora 403 7-8 ♀ ~ € ♥ ➡ □ 26°C sg: 1.022 7.5 cm 80L

Plate #486



Gobiosoma puncticulatus 403 3 ℃ ♥ ♥ ■ □ 26°C sg: 1.022 3 cm 40L



Gobiosoma saucrum 403 2 9 ~ 0 V m □ 26°C sg: 1.022 3 cm 40L



Gobiosoma macrodon 403 2 ℃ ♥ ♥ ➡ □ 26°C sg: 1.022 5 cm 50L



Gobiosoma multifasciatum 403 2 2 ~ ○ ▼ 🖬 🗆 26°C sg: 1.022 4.5 cm 50L



Gobiosoma aff limbaughi 403 Gobiosoma digueti 403 3 ℃ ♥ ♥ 🗖 🗆 26°C sg: 1.022 3 cm 40L





Gobiosoma tenox 403 2 ℃ ♥ ♥ 🖬 🗆 26°C sg: 1.022 3.2 cm 40L



Gobiosoma sp. 403 3 ℃ ♥ ♥ □ □ 26°C sg: 1.022 2.5 cm 40L



Gobiosoma atronasum 403 2 ℃ ♥ ★ □ 26°C sg: 1.022 2.5 cm 40L



Gobiosoma prochilus 403 2 € ~ € ▼ 🖬 🗆 26°C sg: 1.022 2.7 cm 40L



Gobiosoma chancei 403 2 9 ~ 0 ♥ m 🗔 26°C sg: 1.022 4.3 cm 50L



Gobiosoma horsti 403 2 ℃ ♥ ♥ ➡ □ 26°C sg: 1.022 5 cm 50L



Gobiosoma louisae 403 2 ℃ € ♥ 🔂 🗆 26°C sg: 1.022 3.5 cm 40L



Gobiosoma chiquita 403 3 9 ~ 0 V 6 2 26 °C sg: 1.022 3 cm 40L





Plate #488 573



Gobiosoma oceanops 403 2 2 → 0 ▼ 📠 🖂 26°C sg: 1.022 5 cm 50L



Gobiosoma oceanops 403 2 ℃ ♥ ► □ 26°C sg: 1.022 5 cm 50L



Gobiosoma illecebrosum 403 2 ♀ ◇ ♥ ♥ ➡ ➡ 26°C sg: 1.022 3.5 cm 40L



Gobiosoma randalli 403 2 ♀ ▼ ● ♥ 🖾 🗔 26°C sg: 1.022 2.5 cm 30L



Gobiosoma evelynae 403 2 2 ~ 0 ▼ 🗗 🖂 26°C sg: 1.022 6 cm 80L



Gobiosoma evelynae 403 2 ℃ ♥ ♥ 🖬 🖾 26°C sg: 1.022 6 cm 80L



Gobiosoma xanthiprora 403 2 2 → 0 ♥ 🖬 🖃 26°C sg: 1.022 3.7 cm 40L



Gobiosoma genie 403 2 ² ~ 0 ♥ ★ □ 26°C sg: 1.022 3.6 cm 40L



Coryphopterus dicrus 403 2 ♀ • ▼ 🖬 🗔 26°C sg: 1.022 5 cm 50L



Coryphopterus personatus 403 2 2 → 0 ♥ ■ □ 26°C sg: 1.022 3 cm 40L



Coryphopterus sp. 403 2 ℃ 0 ♥ 🖬 🗔 26°C sg: 1.022 3 cm 40L





Coryphopterus lipernes 403 2 ♀ ◇ ↑ ♥ ♠ 🗔 26°C sg: 1.022 3 cm 40L





Coryphopterus nicholsi 403 3 ° → • • □ □ 24°C sg: 1.022 15 cm 150L



Coryphopterus urospilus 403 3 ℃ ♥ ♥ 🖬 🗆 26°C sg: 1.022 3 cm 40L



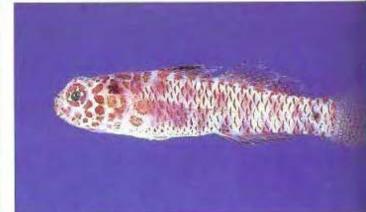
Eviota sp. 403 7 2 ~ 0 ♥ ■ □ 26°C sg: 1.022 3 cm 40L



Eviota sp. 403 7 ℃ ♥ 🗖 🗆 26°C sg: 1.022 3 cm 40L



Eviota bimaculata 403 12 ♀ ▼ ● ▼ ■ □ 26°C sg: 1.022 2.3 cm 40L



Eviota sp. 403 7 2 ~ 0 ♥ 🖬 🗆 26°C sg: 1.022 3 cm 40L



Eviota abax 403 5 € ~ 0 ♥ 🖻 🗆 26°C sg: 1.022 3.6 cm 40L



Eviota fasciola 403 8 2 ~ € ▼ ■ □ 26°C sg: 1.022 3 cm 40L



Eviota infulata 403 6-9 ♀ ◇ • • ▼ 🖬 🗔 26°C sg: 1.022 2 cm 40L



Eviota bifasciata 403 7-10 ♀ ~ € ▼ 🖬 🗆 26°C sg: 1.022 2.3 cm 40L



Trimma sp. 403 7-8 ♀ ▼ • ▼ ■ □ 26°C sg: 1.022 3.5 cm 40L



Trimma striata 403 7-8 ♀ ◆ • ▼ ■ □ 26°C sg: 1.022 3 cm 40L





Trimma sp. 403 7-8 ♀ ◇ ♥ ♥ □ □ 26°C sg: 1.022 3.5 cm 40L



Trimma macrophthalma 403 7-9 2 ~ 0 ♥ 6 □ 26°C sg: 1.022 2.5 cm 40L



Trimma sp. 403 7-8 2 ~ € ♥ 🖬 🖾 26°C sg: 1.022 3.5 cm 40L





Trimma sp. 403 7 ℃ ♥ ➡ □ 26°C sg: 1.022 3 cm 40L



Gobiodon atrangulatus 403 6-7 ♀ ◇ • ▼ ➡ ➡ 26°C sg: 1.022 3.5 cm 40L



Gobiodon okinawae 403 5, 7 € ~ € ♥ 🖬 🗆 26°C sg: 1.022 3.5 cm 40L



Gobiodon histrio 403 7 2 ~ 0 ♥ ■ □ 26°C sg: 1.022 7 cm 80L



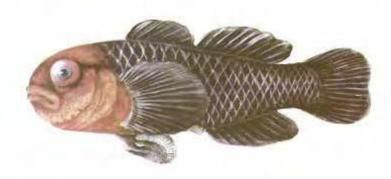
Gobiodon rivulatus 403 7, 9 3 ~ 0 ♥ ➡ □ 26°C sg: 1.022 5 cm 50L



Gobiodon multilineatus 403 7 2 ~ € ▼ ■ □ 26°C sg: 1.022 3.5 cm 40L



Paragobiodon xanthosomus 403 7-9 ♀ ◆ ● ▼ ➡ □ 26°C sg: 1.022 3.5 cm 40L



Paragobiodon echinocephalus 403 7 ℃ ♥ ▼ 🖬 🗆 26°C sg: 1.022 3 cm 40L





Periophthalmus sobrinus? 403 9 ⅔ ∿ ○ ♥ ➡ □ 26°C sg: 1.015 14 cm 200L



Periophthalmus sp. 403 7 ℃ ℃ ♥ 🗔 🚍 26°C sg: 1.015 12 cm 100L



Periophthalmus koelreuteri 403 8 ⅔ ~ ○ ♥ ➡ ➡ 26°C sg: 1.015 15 cm 200L



Unidentified Mudskipper 403 7 2 ~ 0 ♥ ➡ ☐ 26°C sg: 1.015 20 cm 200L



Periophthalmus argentilineatus 403 7-8 2 ~ ○ ♥ 🖾 🖂 26°C sg: 1.015 10 cm 100L



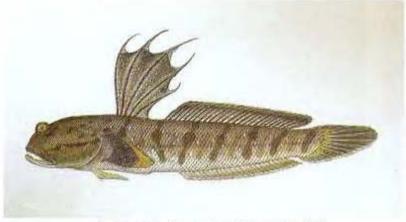
Periophthalmus regius 403 7 2 ∽ 0 ♥ ➡ ➡ 26°C sg: 1.015 10 cm 100L



Periophthalmus cantonensis 403 5, 7 € ~ ○ ♥ 🖬 🖵 26°C sg: 1.015 12 cm 100L



Periophthalmus papilio? 403 9 ♀ ✓ 0 ♥ ➡ □ 26°C sg: 1.015 25 cm 300L





Boleophthalmus pectinirostris 403

5, 7

C ♥ □ □ □ 26°C sg: 1.018 20 cm 200L

Boleophthalmus polyophthalmus 403

5, 7

C ♥ □ □ □ 26°C sg: 1.022 20 cm 200L



Ctenotrypauchen microcephalus 405 7 ~ • ♥ ➡ □ 26°C sg: 1.022 17.5 cm 200L



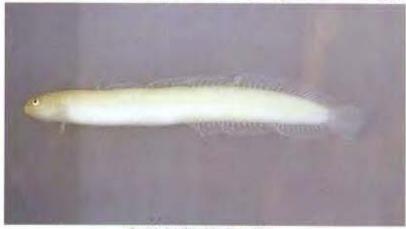
Brachyamblyopus coecus 404 7 ● ♥ ➡ = 26°C sg: 1.022 7 cm 80L



Gunnelichthys pleurotaenia 407 7 ◇ • • ▼ 🗔 🗔 26°C sg: 1.022 6 cm 60L



Gunnelichthys monostigma 407 7 ~ € V 26°C sg: 1.022 9 cm 100L



Cerdale floridana 407



Gunnelichthys curiosus 407 2 ~ € V = 26°C sg: 1.022 5 cm 50L 6 ~ € V = 26°C sg: 1.022 13 cm 150L



Acanthurus achilles 409 5-7 2 ~ + ○ ♥ ☑ 26°C sg: 1.022 28 cm 300L



582 #496A



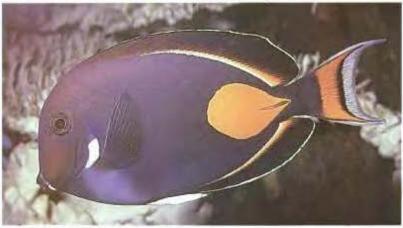
Acanthurus chirurgus 409 2 ⅔ ∿ ♣ () ♥ № 전 26°C sg: 1.022 25 cm 300L



Acanthurus coeruleus 409 2 ♀ ↑ ↑ ↑ ♥ № E 26°C sg: 1.022 23 cm 300L



Acanthurus blochii 409 6-7, 9 € ~ + € ♥ № № № 26°C sg: 1.022 42 cm 500L



Acanthurus achilles 409 5-7 € ~ ↑ ○ ♥ № 🖾 26 °C sg; 1.022 28 cm 300L



Acanthurus bahianus 409 2 3 3 1.022 30 cm 300L



Acanthurus coeruleus 409 2 2 1.022 23 cm 300L

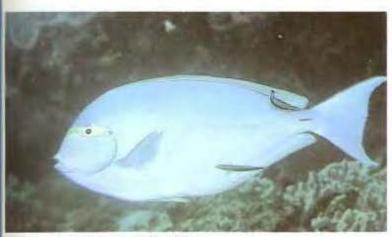


Acanthurus monroviae 409 13 € ~ + • ▼ 1 26°C sg: 1.022 24 cm 300L

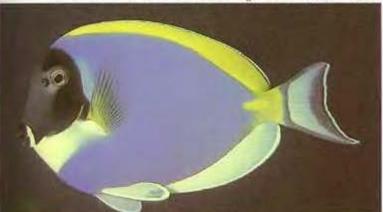


Acanthurus japonicus 409 7 ℃ ↑ € ♥ № 5 26°C sg: 1.022 20 cm 200L

#497 583



Acanthurus mata 409 6-9 ♀ ~ ↑ € ♥ ₩ □ 26°C sg: 1.022 50 cm 500L



Acanthurus leucosternon 409 7-9 ⅔ ∿ ↑ € ♥ № □ 26°C sg: 1.022 23 cm 300L



Acanthurus glaucoparelus 409 3, 6-8 ⅔ ∿ ↑ € ♥ № № 226°C sg: 1.022 17 cm 200L



Acanthurus guttatus 409 6-9 ♀ ◇ → ↑ ○ ♥ № № 26°C sg: 1.022 23 cm 300L



Acanthurus leucosternon 409 7-9 ₹ ~ + € ♥ № 🖾 26°C sg: 1.022 23 cm 300L





Acanthurus pyroferus 409 6-7 % ~ ↑ € ♥ № 5 26°C sg: 1.022 19 cm 200L



Acanthurus sohal 358 10 ♀ ∿ № 0 ♥ № 55 26°C sg: 1.028 40 cm 400L



Acanthurus thompsoni 409 6-7 2 ~ + ○ ♥ \$\sum \subseteq 26°C sg: 1.022 27 cm 300L



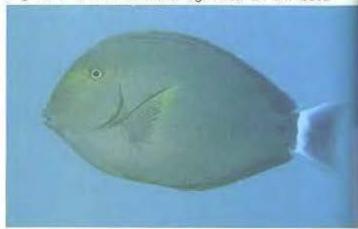
Acanthurus olivaceus 409 6-7 2 ~ + ○ ♥ 1 ≥ 26°C sg; 1.022 25 cm 300L



Acanthurus pyroferus 409 6-7 ℃ ∿ ℃ ♥ № № № 26°C sg: 1.022 19 cm 200L



Acanthurus tennenti 409 9 2 ~ ↑ ↑ 0 ♥ 12 12 26°C sg: 1.022 31 cm 300L



#499 585



Acanthurus lineatus 409 6-9 ½ √ → € ♥ № № 26°C sg: 1.022 38 cm 400L





Acanthurus chronīxis 409 7 % ↑ ↑ ♥ № 至 26°C sg: 1.022 19 cm 200L



Acanthurus pyroferus 409 6-7 ℃ ↑ ↑ ♥ ☎ 🖾 26°C sg: 1.022 19 cm 200L



Acanthurus dussumieri 409 6-9 9 ~ + 0 ♥ № E 26°C sg: 1.022 54 cm 600L



Acanthurus olivaceous 409 6.7 € ~ + C ♥ № = 26°C sg: 1.022 25 cm 300L



Acanthurus chronix is 409 7 2 ~ ↑ ↑ (♥ 1 = 26°C sg: 1.022 19 cm 200L

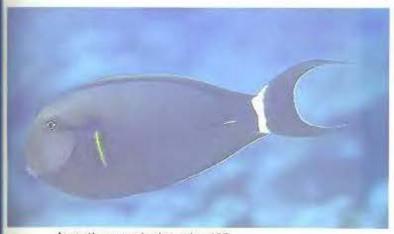




Acanthurus bariene 409 7, 9 ♀ ◇ ↑ ○ ♥ № 🔄 26°C sg: 1.022 30 cm 300L



Acanthurus mata 409 6-9 € ~ + C ♥ ₩ 1 26°C sg: 1.022 50 cm 500L



Acanthurus nigricauda 409 6-9 🖫 🤝 + € 🕶 🖼 🖾 26°C sg: 1.022 40 cm 400L



Acanthurus maculiceps 409 7 ℃ ↑ ○ ♥ № 🖾 26°C sg: 1.022 19 cm 200L



Acanthurus lineatus 409 6-9 € ~ ↑ € ♥ № 1 26°C sg: 1,022 38 cm 400L



Acanthurus blochii 409 6-7, 9 ⁹ ∼ → ○ ♥ ₩ 🖾 26°C sg: 1.022 42 cm 500L



Ctenochaetus strigosus 409 6-10 % ~ ↑ ○ ♥ № 🖾 26°C sg: 1.022 18 cm 200L



Prionurus punctatus (juv.) 409 3 ℃ ~ ↑ () ♥ № 区 26°C sg: 1.022 60 cm 600L



Prionurus laticlavius 409 3 ℃ № ↑ ○ ▼ 1 5 26°C sg: 1.022 50 cm 500L



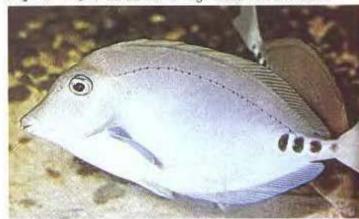
Acanthurus leucopareius 409 6-7 2 ~ ↑ ○ ♥ 1 = 26°C sg: 1.022 20 cm 200L



Acanthurus nigroris (juv.) 409 6-7 2 ~ + ○ ♥ \$\sum \subseteq 26°C sg: 1.022 20 cm 200L



Prionurus punctatus 409 3 ⅔ ~ ↑ € ♥ № 🖂 26°C sg: 1.022 60 cm 600L



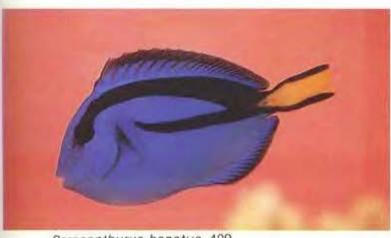
Prionurus scalprus 409 7 ⅔ ∿ → € ♥ № 🖾 26°C sg: 1.022 40 cm 400L



Acanthurus triostegus 409 6-9 ℃ ↑ ↑ ♥ № № № 226°C sg: 1.022 27 cm 300L



Acanthurus nigroris 409 6-7 ♀ ∿ ↑ ○ ♥ № 🖾 26°C sg: 1.022 20 cm 200L



Paracanthurus hepatus 409 6-9 2 √ + (♥ 1/2 ≥ 26°C sg: 1.022 26 cm 300L



Ctenochaetus marginatus 409 7-9 √s ↑ (♥ ½ ≦ 26°C sg; 1.022 20 cm 200L



Ctenochaetus tominiensis (juv.) 409 7 ~ → • • ■ 🖾 26°C sg: 1.022 15 cm 150L



Ctenochaetus hawaiiensis 409 6 ~ ↑ (♥ ﷺ 🖾 26°C sg: 1.022 21 cm 200L



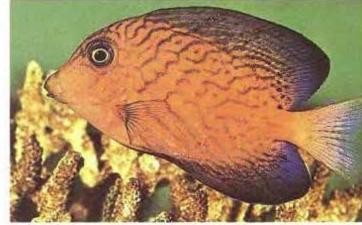
Paracanthurus hepatus 409 6-9 2 ~ + C ♥ 1 26°C sg: 1.022 26 cm 300L



Ctenochaetus striatus 409 6-10 ~ ↑ (♥ № 15 26°C sg: 1.022 26 cm 300L



Ctenochaetus tominiensis 409 7 ~ ↑ ↑ ▼ 🔁 🖾 26°C sg: 1.022 15 cm 150L



Ctenochaetus hawaiiensis (juv.) 409 6 ~ ↑ ↑ ♥ № 5 26°C sg: 1,022 21 cm 200L



Ctenochaetus strigosus 409 6-9 √s ↑ C ♥ 1 ≥ 26°C sg: 1.022 18 cm 200L





Naso brevirostris 409 6-10 ♀ ∿ ↑ ○ ♥ ﷺ ☑ 26°C sg: 1.022 60 cm 600L



Naso vlamingi 409 6-9 № № № 🖾 🖾 26°C sg: 1.022 60 cm 600L



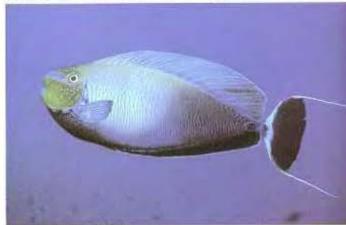
Ctenochaetus strigosus (juv.) 409 6-9 ~ → ↑ ○ ♥ 1 26°C sg: 1.022 18 cm 200L



Naso tuberosus 409 6-9 € 5 + C ♥ 16 12 26°C sg: 1.022 60 cm 600L



Naso lituratus 409 6-10 € ~ + O ♥ № 🖾 🖾 26°C sg: 1.022 45 cm 500L



Naso vlamingi 409 6-9 ♀ ∿ ↑ ○ ♥ № 🖾 26°C sg: 1,022 60 cm 600L



Naso lopezi 409 6-7 % ★ C ♥ № 1 26°C sg: 1.022 45 cm 500L



Naso brevirostris (juv.) 409 6-10 € √ ↑ € ♥ № 5 26°C sg: 1.022 60 cm 600L



Naso lituratus (juv.) 409 6-10 € <>> ↑ € ₩ № № № 26°C sg: 1.022 45 cm 500L



Naso unicornis (juv.) 409 6-10 ⅔ √ ♣ ○ ♥ ⅙ ≦ 26°C sg: 1.022 70 cm 700L



Naso brachycentron 409 7-9 ♀ ヘナ ↑ ○ ♥ № 至 26°C sg: 1.022 60 cm 600L



Naso hexacanthus 409 7-10 ♀ ╮ ★ C ♥ № № 26°C sg: 1.022 75 cm 800L



Naso lituratus 409 ♀ ~ + () ♥ ₩ 🖂 🖂 26°C sg: 1.022 45 cm 500L



Naso unicornis 409 6-10 2 ~ + € ♥ 1 ≥ 26°C sg; 1.022 70 cm 700L





Zebrasoma veliferum 409 6-8 2 √ + (♥ 1 ⊆ 26°C sg: 1.022 40 cm 400L





Zebrasoma flavescens 409 6-8 2 ~ + ○ ♥ 1 26°C sg: 1.022 15 cm 150L





Zebrasoma veliferum 409 6-8 € ✓ ♦ C ♥ № № 26°C sg: 1.022 40 cm 400L



Zebrasoma flavescens 409 6-8 2 1 + 0 ♥ 1 = 26°C sg: 1,022 15 cm 150L



Zebrasoma flavescens 409 6-8 2 √ + 0 ♥ 1 26°C sg: 1.022 15 cm 150L

#507 593



Zebrasoma veliferum 409 6-8 ⅔ ~ + € ♥ № № 26°C sg: 1.022 40 cm 400L



Zebrasoma scopas 409 6-10 ♀ ▼ ↑ ○ ♥ № № № 26°C sg: 1.022 20 cm 200L



Zebrasoma gemmatum 409 9 € ~ + € ▼ № 🖾 26°C sg: 1,022 22 cm 200L



Zebrasoma desjardinii 409 9-10 ♀ ◇ → ↑ ○ ♥ ﷺ 🖾 26°C sg: 1.022 40 cm 400L



Zanclus canescens 409 3, 6-9 4 ~ + ○ ♥ ☲ 26°C sg: 1.022 22 cm 200L



Zebrasoma scopas 409 6-10 ≥ ✓ + C ♥ № 5 26°C sg: 1.022 20 cm 200L



Zebrasoma desjardinii 409 9-10 º ∿ + ○ ♥ 🖼 🖾 26°C sg: 1.022 40 cm 400L



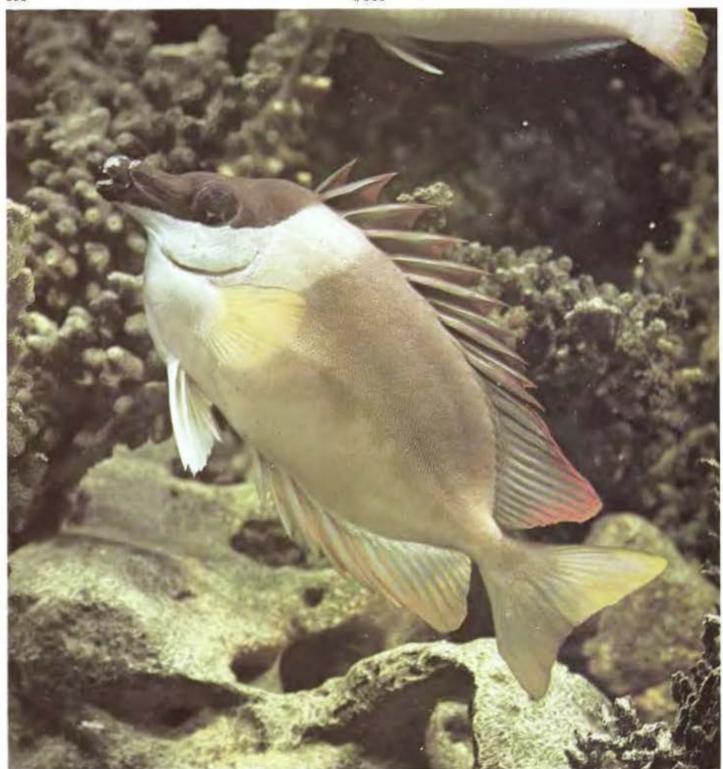
Zebrasoma xanthurus 409 10 ⅔ ~ + O ♥ № 🖾 26°C sg: 1.022 22 cm 200L

#509 595



Zanclus canescens 409 3, 6-10 ~ ↑ ○ ▼ 🖾 🖾 26°C sg: 1.022 22 cm 200L

596 #510

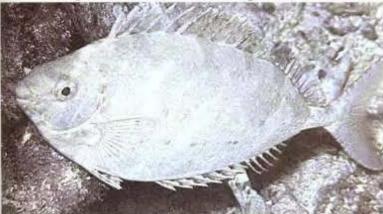


Lo magnifica 410 9 € ~ ↑ € ♥ ₩ 🖾 26 ° C sg: 1.022 18 cm 200L





Lo vulpinus (juv.) 410 6.7 ♀ ◇ → ○ ♥ ﷺ 🖾 26°C sg: 1.022 19 cm 200L



Siganus argenteus 410 6-10 2 ~ + € ▼ 1 26°C sg: 1.022 35 cm 400L



Siganus fuscescens 410 7,9 2 ~ ↑ € ▼ 126°C sg: 1.022 30 cm 300L



Lo vulpinus 410 6-7 ♀ ◇ + ○ ♥ № 区 26°C sg: 1.022 19 cm 200L



Lo uspi 410 6 % → ↑ ○ ▼ 1 26°C sg: 1.022 18 cm 200L

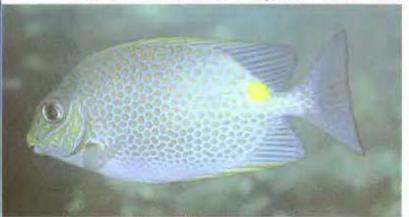


Siganus canaliculatus 410 7, 9 € ~ + C ♥ № 🖾 26°C sg: 1.022 30 cm 300L





Lo magnifica 410 9 ♀ ∽ + ○ ♥ № 🖾 26°C sg: 1.022 18 cm 200L



Siganus guttatus 410 7-8 € ~ ★ ○ ♥ 1 102 26°C sg: 1.022 35 cm 400L



Siganus corallinus 410 7-9 ♀ ~ ↑ ○ ♥ ﷺ 🖾 26°C sg: 1.022 25 cm 300L



Siganus puelloides 410 9 ~ ↑ ○ ♥ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Siganus canaliculatus 410 7,9 € ~ + O ♥ № 🖾 26°C sg: 1.022 30 cm 300L



Siganus lineatus 410 7-9 ♀ ◇ → ○ ♥ ﷺ ﷺ 26°C sg: 1.022 40 cm 400L





Siganus chrysospilos 410 8 ♀ ◇ ↑ ○ ♥ ☎ 🖾 26°C sg: 1.022 40 cm 400L



Siganus dollatus 410 7-8 € ~ + 0 ♥ ₩ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Siganus stellatus 410 9-10 9 ~ → ↑ ○ ♥ № 1= 26°C sg: 1.022 40 cm 400L



Siganus trispilos 410 7, 12 2 ~ ↑ (♥ № 🖂 26°C sg: 1.022 25 cm 300L



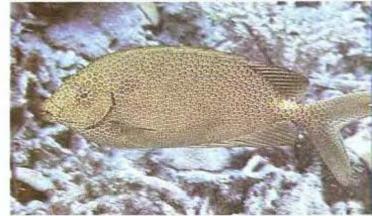
Siganus vermiculatus 410 6-8 € ~ + 0 ♥ ₩ 🖾 26°C sg: 1.022 45 cm 500L



Siganus virgatus 410 7-8 ♀ ∿ ♦ ○ ♥ № № 26°C sg: 1.022 30 cm 300L



Siganus puellus 410 6-7 € 5 € € № 12 26°C sg: 1.022 30 cm 300L



Siganus chrysospilos 410 8 € ~ + C ♥ № 5 26 °C sg: 1.022 40 cm 400L



Siganus spinus 410 6-9 ℃ → ↑ ○ ♥ № 🖾 26°C sg: 1.022 21 cm 200L



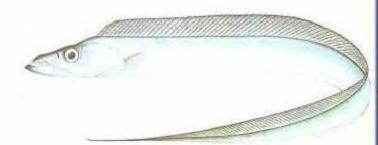


Promethichthys prometheus 412 Circumtrop. → C 火 ⊟ 26°C sg: 1.022 60 cm 600L

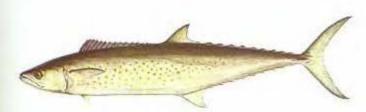




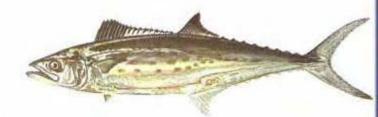
Gempylus serpens 412 Circumtrop. → C 火 ⊟ 26°C sg: 1.022 100 cm



Trichlurus lepturus 413 Circumtrop. ≺ O 火 ⊟ 26°C sg: 1.022 120 cm 1200L



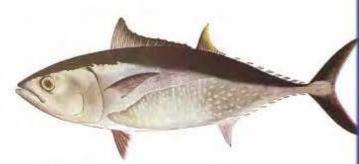
Scomberomorus sierra 414 3 √ 0 火 ⊟ 26°C sg: 1.022 81 cm 800L



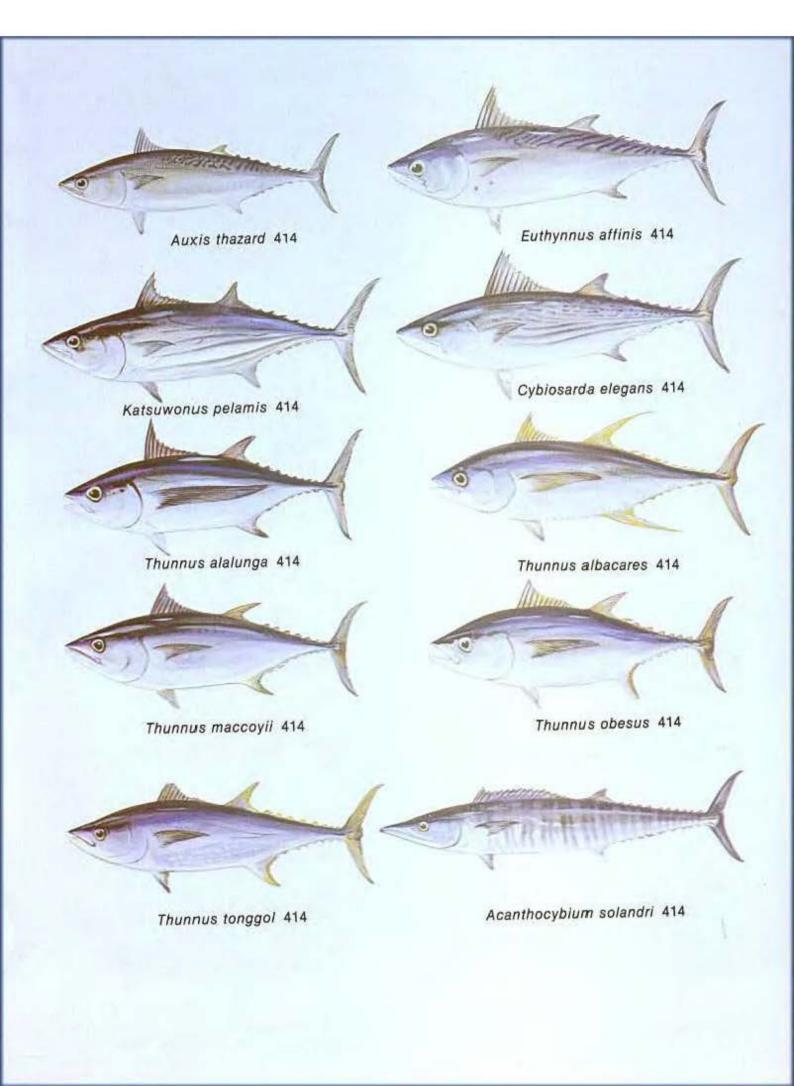
Scomberomorus maculatus 414 1-2 \ ○ ★ \ \ 26°C sg: 1.022 70 cm 800L

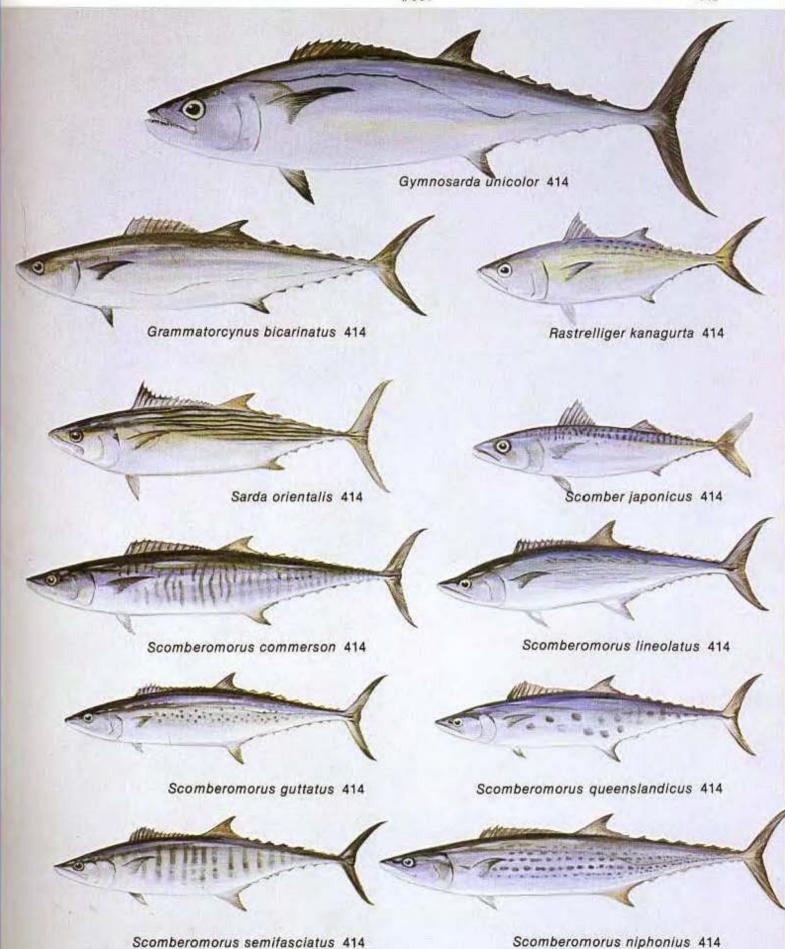


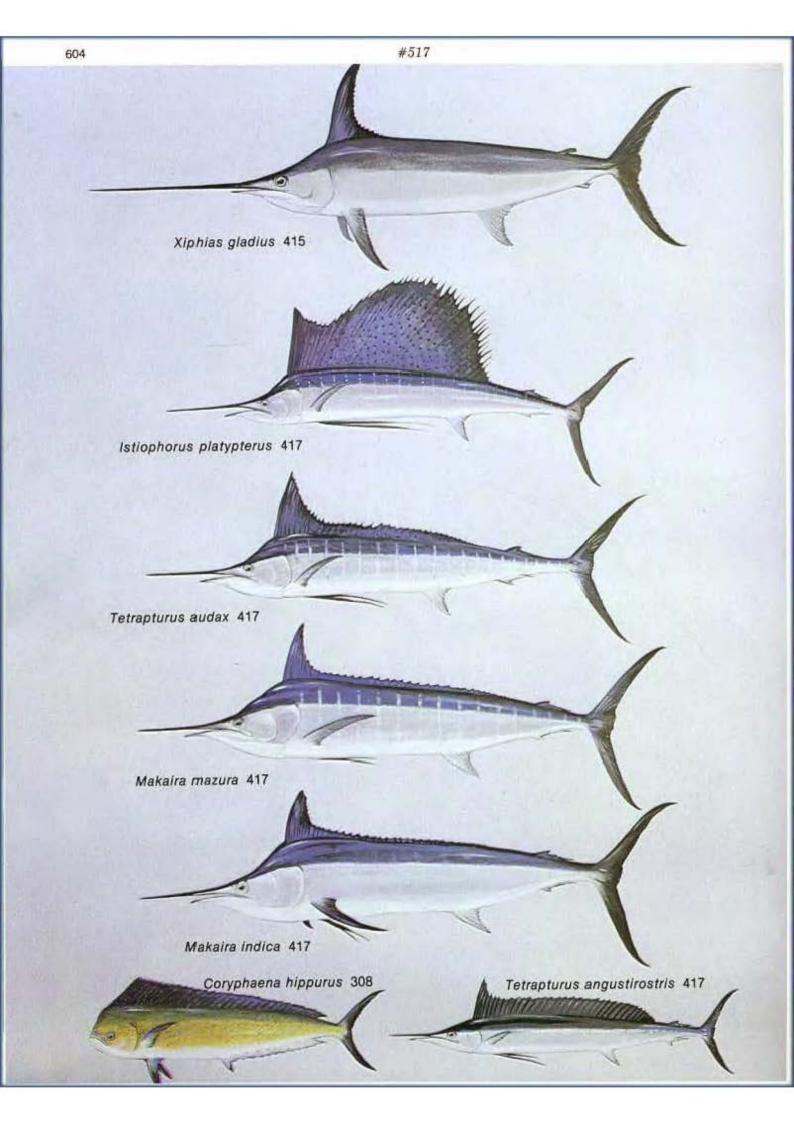
Scomber australasicus 414 8, 12 ≺ O 火 ⊞ 25°C sg: 1.022 40 cm 400L



Thunnus thynnus 414 Circumglobal ≺ O ⊁ ⊠ 300 cm 3000L





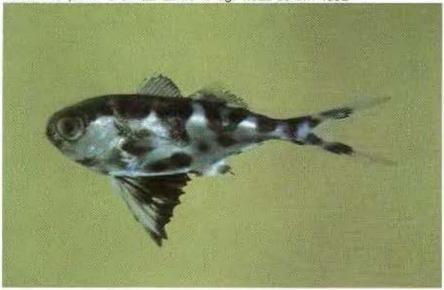


#517A

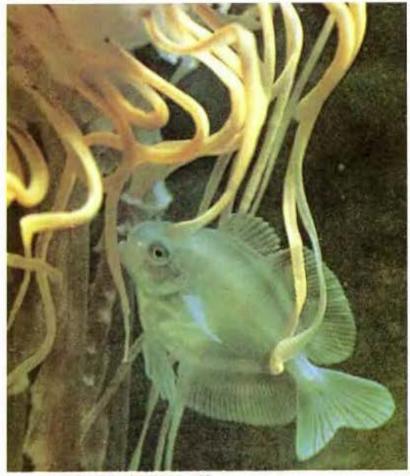


Makaira sp. 417 7-10 → 0 ★ 🖾 🖾 26°CX sg: 1.022 4500 cm)5000L



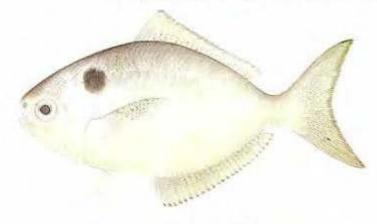


#518 606



Psenes pellucidus 420 Circumtrop. ≺ C ★ ⊟ 26°C sg: 1.022 80 cm 1000L





Psenopsis anomala 419 7 ~ ~ ○ * 🖽 26°C sg: 1.022 30 cm 500L

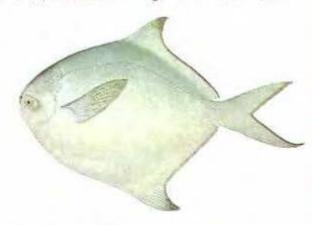


Nomeus gronovii 420 Circumtrop. ❖ O ★ ➡ □ 26°C sg: 1.022 39 cm 400L

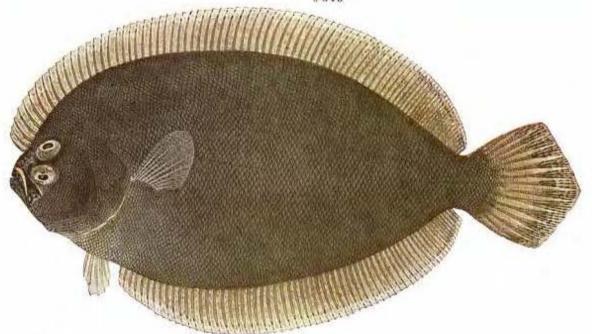


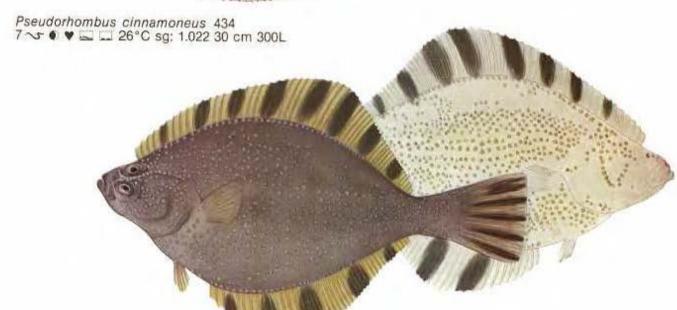
Hyperoglyphe japonica 419

7 → ○ ★ 🖽 26°C sg: 1.022 90 cm 1000L 7, 9 → • ○ ★ 🗔 🖂 26°C sg: 1.022 25 cm 300L

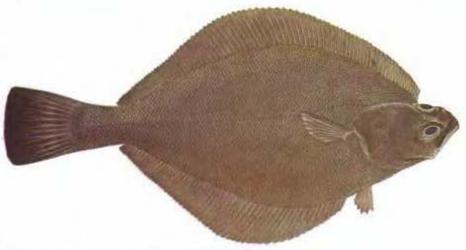


Pampas argenteus 423 7, 9 ~ ~ 0 ★ 🖾 🖾 26°C sg: 1.022 60 cm 600L

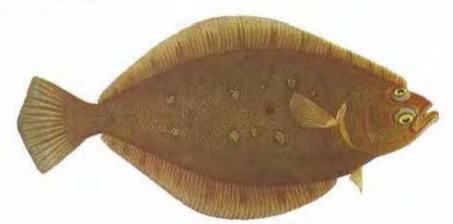








Cleisthenes pinetorum herzensteini 435 5, 7 ✓ 💉 🏵 🗶 🖃 🖃 26°C sg: 1.022 45 cm 500L



Eopsetta grigorjewi 435 5, 7 ∼ • ▼ 📟 🗆 26°C sg: 1.022 40 cm 400L



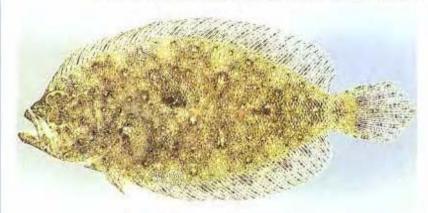
Clidoderma asperrimum 435 4, 5, 7 √ 5 ★ 基 🗔 26°C sg: 1.022 55 cm 600L



Paralichthys olivaceus 434 7 → ● ♥ 🖃 🖾 26°C sg: 1.022 80 cm 1000L



Paralichthys dentatus 434 1 ~ • ● * ➡ □ 23°C sg: 1.024 94 cm 1000L



Pseudorhombus cinnamoneus 434 7 ~ ● ♥ ➡ □ 26°C sg: 1.022 30 cm 300L



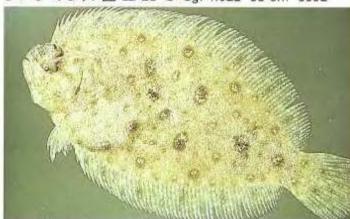
Pseudorhombus sp. 434 7 ~ ● ♥ ➡ □ 26°C sg: 1.022 30 cm 300L



Paralichthys woolmani 434 3 ~ ● ♥ ➡ ☐ 26°C sg: 1.022 80 cm 1000L



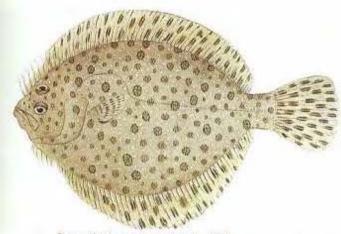
Xystreurys liolepis 434 3-4 ~ • • ★ 🖾 🖂 26°C sg: 1.022 53 cm 500L



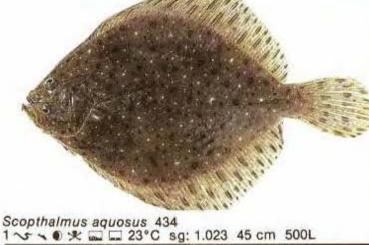
Pseudorhombus jenynsii 434 7 ∼ • ▼ 🖾 🗆 26°C sg: 1.022 27 cm 300L

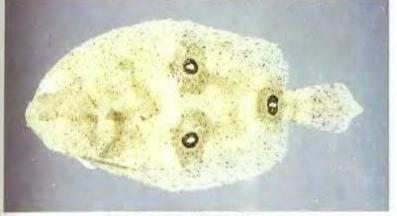


Zeugopterus punctatus 434 14 ~ ● ♥ 🗔 🖂 20°C sg: 1.024 25 cm 300L



Scopthalmus aquosus 434 1 ~ • ● * 🖵 🖂 23°C sg: 1.023 45 cm 500L

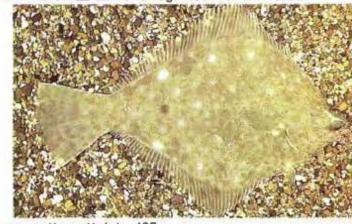








Pseudopleuronectes americanus 435 1 ~ ~ 0 火 □ □ 10°C sg: 1.024 64 cm 600L



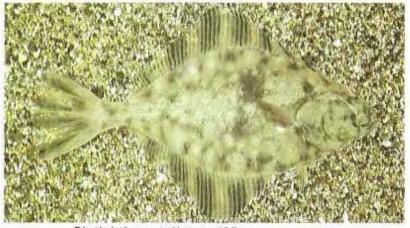
Hypsopsetta guttulata 435 3 ~ • • □ □ □ 26°C sg: 1.022 46 cm 500L



Lepidopsetta bilineata 435 3 ~ ~ ● * □ □ 26°C sg: 1.022 60 cm 600L



Eopsetta grigorjewi 435 5, 7 ~ ● ♥ 🗔 🖾 26°C sg: 1.022 40 cm 400L



Platichthys stellatus 435 4-5 ~ • ★ 🖾 🖾 24°C sg: 1.023 91 cm 1000L



Pleuronectes platessa 435 14 ✓ • ♥ □ □ 25°C sg: 1.022 71 cm 800L



Platichthys flesus 435 14 ~ • ★ 🖾 🖾 16°C sg: 1.024 51 cm 500L



Psettichthys melanostictus 435 4 🍑 • ♥ 📠 🗔 22°C sg: 1.024 63 cm 600L



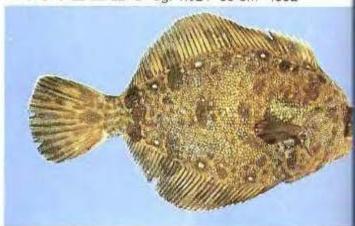
Pleuronichthys cornutus 435 7 ♥ ♥ □ □ 26°C sg: 1.022 30 cm 300L

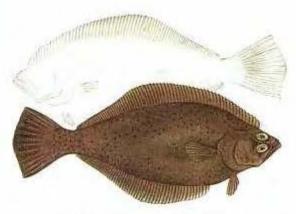


Pleuronichthys coenosus 435 4 ~ • • ■ □ 22°C sg: 1.024 36 cm 400L

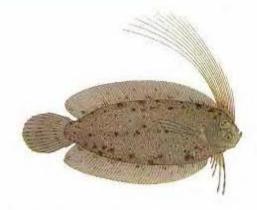


Pleuronichthys ocellatus 435
3 ✓ • ▼ 🖾 🗔 26°C sg: 1.022 30 cm 300L 3 ✓ • ▼ 🚍 🖫 26°C sg: 1.022 37 cm 400L

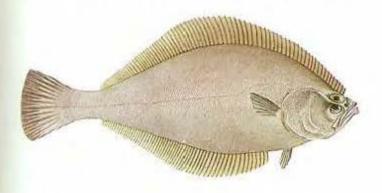




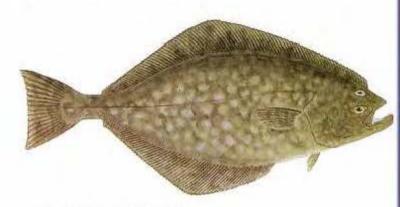
Hippoglossoides robustus 435 5 ❖ • ♥ ➡ ➡ 26°C sg: 1.022 30 cm 300L



Samaris cristatus 435 7-10 ★ ★ 🖃 🖾 26°C sg: 1.022 17 cm 200L



Hippoglossoides dubius 435 5 ✓ 🖈 🏵 🖈 🗔 26°C sg: 1.022 45 cm 500L



Hippoglossus stenolepis 435 5 → • • ★ 🖃 🖾 26°C sg: 1.022 250 cm 3000L



Kareius bicoloratus 435 5 → • • ★ 🖃 🖃 26°C sg: 1.022 50 cm 500L



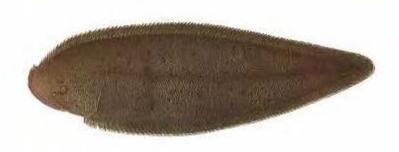
Pleuronectes paliasii 435 7 🍑 🛡 🔜 🗔 26°C sg: 1.022 25 cm 300L



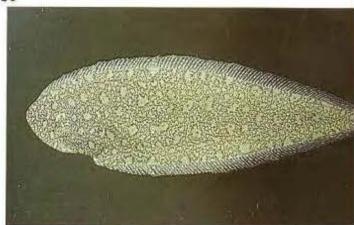
Limanda schrenki 435 5 ~ ~ • ★ 🖃 🖵 26°C sg: 1.022 50 cm 500L



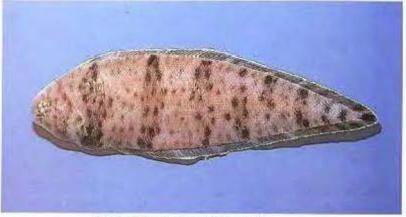
Verasper variegatus 435 5 ~ ~ • • ★ 🖃 🖃 26°C sg: 1.022 60 cm 600L



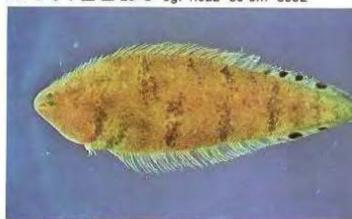
Paraplagusia japonica 436 7 ♥ ■ □ 26°C sg: 1.022 35 cm 400L



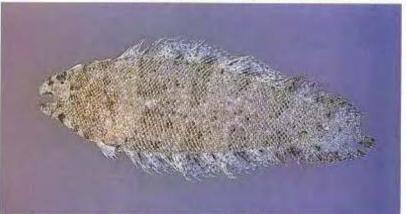
Paraplagusia bilineata 436 7-9 → • □ □ □ 26°C sg: 1.022 30 cm 300L



Symphurus elongatus 436 3 ~ • • □ □ □ 26°C sg: 1.022 22.5 cm 300L



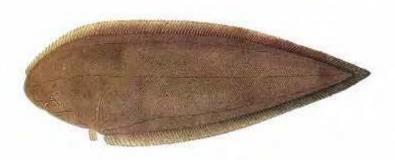
Symphurus fasciolaris 436 3 ~ • ♥ ➡ □ 26°C sg: 1.022 25 cm 300L

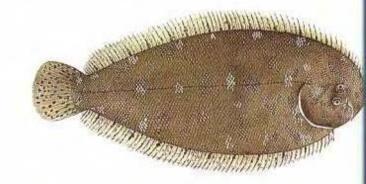


 Symphurus arawak 436
 Symphurus arawak 436

 2 ~ ● ▼ □ □ 26°C sg: 1.022 51 cm 300L
 2 ~ ● ▼ □ □ 26°C sg: 1.022 51 cm 500L









Zebrias zebra 437 7-8 ~ ● ♥ 🖾 🗆 26°C sg: 1.022 19 cm 200L



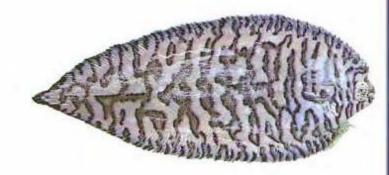
Pardachirus pavoninus 437 6-9 • ▼ 🔤 🖃 26°C sg: 1.022 25 cm 300L



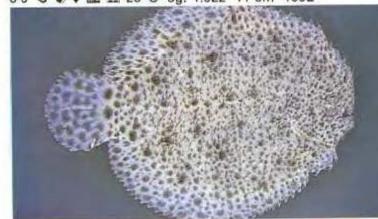
Trinectes maculatus 437 2 ~ • • □ □ 26°C sg: 1.022 20 cm 200L



Trinectes maculatus? 437 2 ~ • • □ □ 26°C sg: 1.022 20 cm 200L



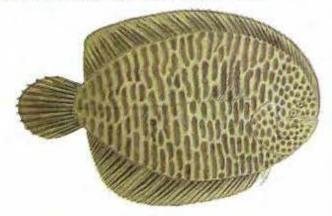
Soleichthys heterorhinos 437 6-9 → • ▼ 🖾 🖂 26°C sg: 1,022 11 cm 100L



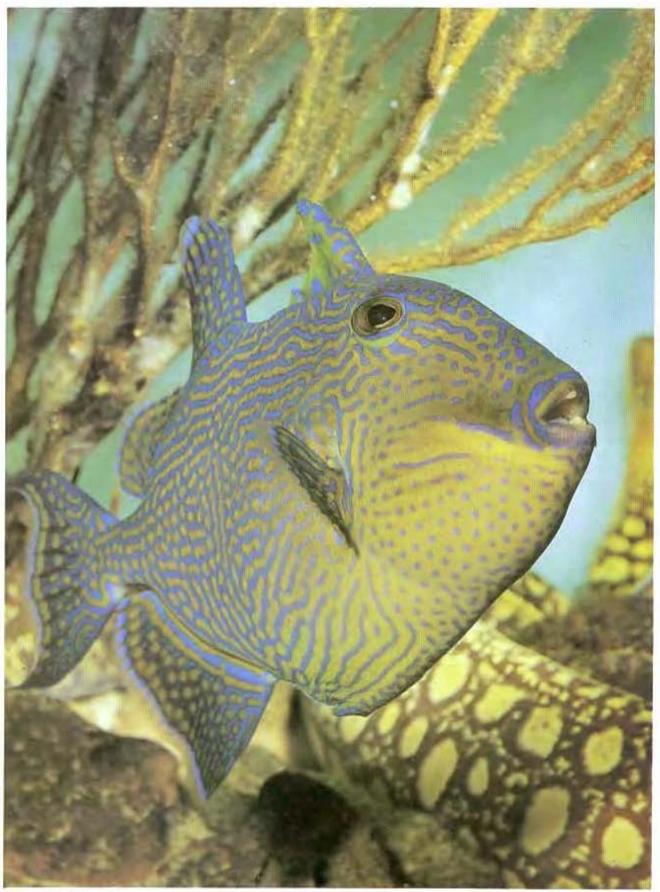
Achirus lineatus 437 2 ~ ● ♥ 🗔 🗔 26°C sg: 1.022 10 cm 100L



Trinectes maculatus 437 2 ~ • • □ □ 26°C sg: 1.022 20 cm 200L



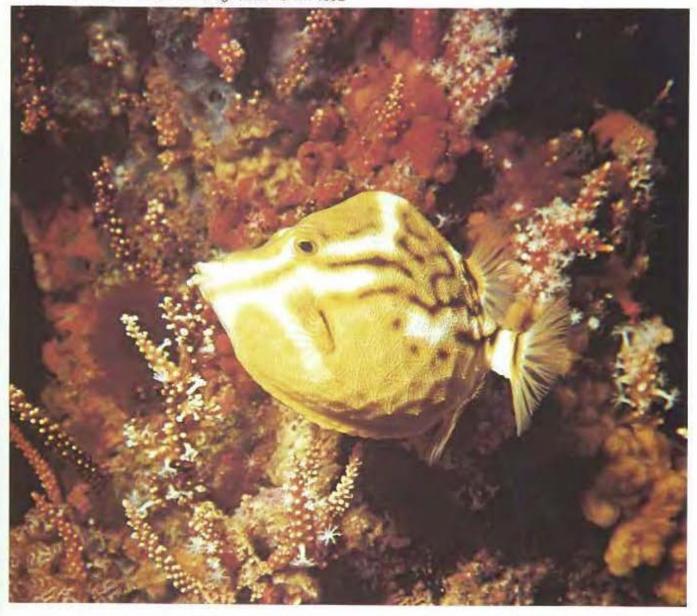
Trinectes maculatus? 437 2 ~ • • □ □ 26°C sg: 1.022 20 cm 200L



Pseudobalistes fuscus 440 7-10 2 ~ → • ★ 🖬 🖾 26°C sg: 1.022 55 cm 500L



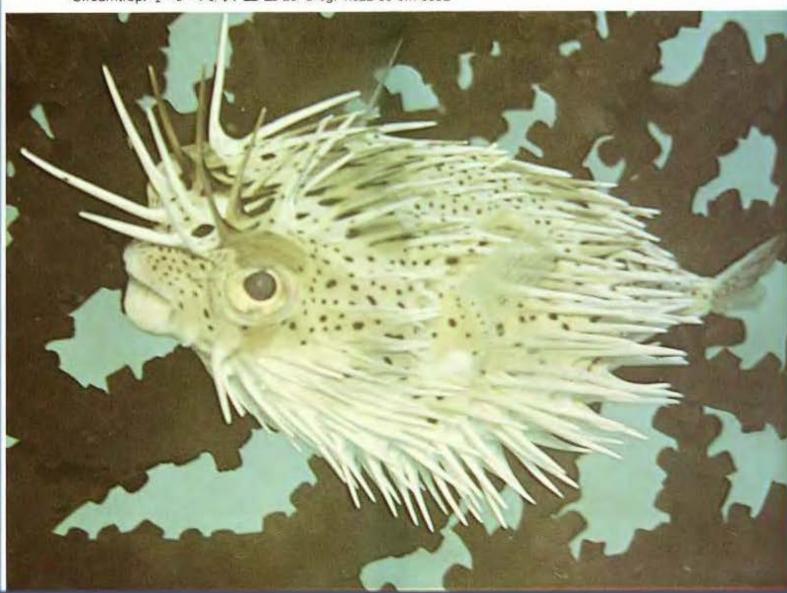
Ostracion meleagris meleagris 441 7-9 ♀ ~ € ♥ № 🖾 26°C sg: 1.022 15 cm 150L

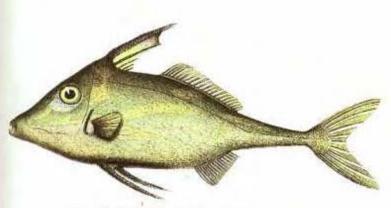




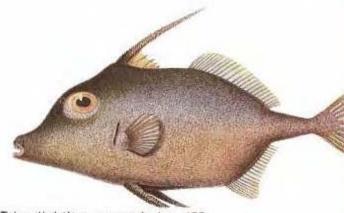
Canthigaster amboinensis 443 6-9 ✓ 🔹 🛈 🛠 🖪 🖾 26°C sg: 1.022 15 cm 150L

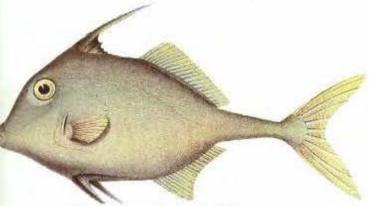
Diodon Hystrix 444 Circumtrop. ♀ ~ • • ♥ ★ 🖾 ≥ 26°C sg: 1.022 60 cm 600L



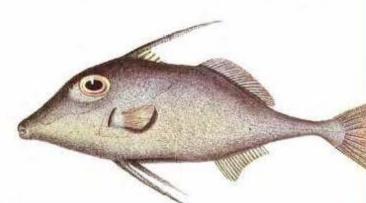


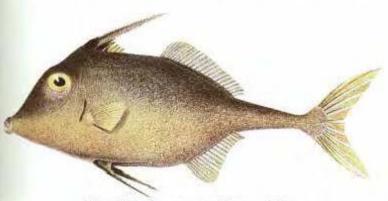
Tripodichthys strigilifer 439 7,9 ~ € ♥ 🖪 🖾 26°C sg: 1.022 20 cm 200L



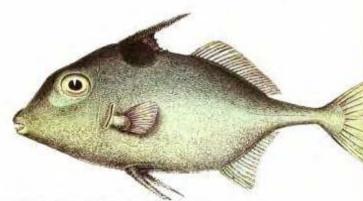


Triacanthus nieuhofi 439 7 ~ € ♥ 🖪 🖾 26°C sg: 1.022 14 cm 150L

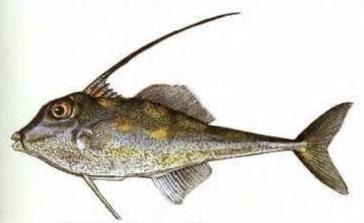




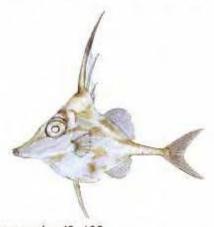
Tripodichthys angustifrons 439 7, 12 ~ ● ♥ 屆 🖾 24°C sg: 1.024 18 cm 200L



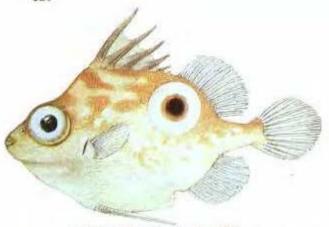
Triacanthus biaculeatus 439 7-9 → • • ■ 🖾 26°C sg: 1.024 24 cm 250L



Tripodichthys sp. 439 ?7 ~ 0 ♥ ★ 🖾 🖾 24°C sg: 1.024 15 cm 150L



Trixiphichthys weberi? 439 7 ~ 0 ♥ ➡ 🖾 26°C sg: 1.022 16 cm 200L



Johnsonina eriomma 438 2~ ↑ ♦ ★ 🗠 26°C sg: 1.022 13 cm 150L



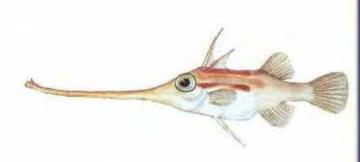
Triacanthodes anomalus 438 7 ♥ ♥ ★ 🖾 26°C sg: 1.022 10 cm 100L



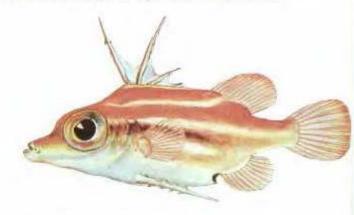
Tripodichthys blochii 439 7, 9~ € V 🖪 🖾 26°C sg: 1.022 15 cm 150L



Tripodichthys blochii 439 7, 9√ () ♥ 🖪 🗔 26°C sg: 1.022 15 cm 150L

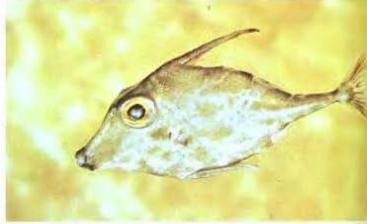


Halimochirurgus alcocki 438 7√r € ♥ 📠 🗔 26°C sg: 1.022 17 cm 200L



Paratriacanthodes retrospinis 438 7, 9~ € ♥ 🖪 🖾 26°C sg; 1.022 9 cm 100L





Tripodichthys strigilifer 439 7, 9√ € ♥ 🖪 🗆 26°C sg: 1.022 20 cm 200L

#528



Balistoides conspicillum 440 7-9 ♀ ◇ → ● ※ ► 🖾 26°C sg: 1.022 50 cm 500L

#529 622



Pseudobalistes flavimarginatus 440
Balistoides conspicillum 440
6-10 ② ◇ → ① 火 函 図 26°C sg: 1.022 60 cm 600L 7-9 ② ◇ → ① 火 函 図 26°C sg: 1.022 50 cm 500L

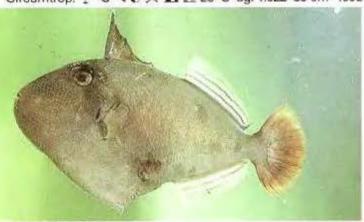




Melichthys niger 440 Circumtrop. 2 ~ ~ 0 ★ 🕞 🖾 26°C sg: 1.022 35 cm 400L



Melichthys niger (var.) 440 Circumtrop. 2 ~ € 0 × 1.022 35 cm 400L



Melichthys vidua 440 6-10 2 ~ ~ 0 火 區 区 26°C sg: 1.022 40 cm 400L 9 2 ~ ~ 0 火 區 区 26°C sg: 1.022 25 cm 300L



Melichthys indicus 440



Pseudobalistes flavimarginatus 440 6-10 2 ~ ~ 0 火 to ⊠ 26°C sg: 1.022 60 cm 600L



Pseudobalistes naufragium 440 3 ℃ ~ 0 火 🕟 🖾 26°C sg; 1.022 40 cm 400L



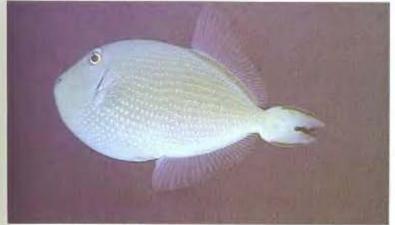
Abalistes stellatus 440 7-10 € ~ • • • ★ 🖬 🖾 26°C sg: 1.022 60 cm 600L



Balistoides conspicillum 440 7-9 ♀ ✓ ★ € ※ क 🖾 26°C sg: 1.022 50 cm 500L



Melichthys indicus 440 9 ♀ ▼ ▼ ▼ ■ 区 26°C sg: 1.022 25 cm 300L



Xanthichthys auromarginatus 440 6-9 全 ◇ → ◆ ○ 类 區 巨 26°C sg: 1.022 20 cm 200L



Balistapus undulatus 440 7-10 ♀ ~ • ○ ※ 🕟 🖾 26°C sg: 1.022 30 cm 300L



Melichthys vidua 440 6-10 ♀ ◇ 、 ○ 火 🗗 🖾 26°C sg: 1.022 40 cm 400L



Melichthys indicus 440 9 ℃ ~ 0 火 🖬 🖾 26°C sg: 1.022 25 cm 300L



Xanthichthys auromarginatus 440 6-9 ♀ ~ • € ★ 🖬 🖾 26°C sg; 1.022 20 cm 200L



Xanthichthys ringens 440 2 2 ~ • • • ★ 🖼 🖾 26°C sg: 1.022 25 cm 300L



Xanthichthys ringens 440 2 ♀ ◇ 、 ○ 火 m 匹 26°C sg: 1.022 25 cm 300L



Suiflamen 440 Xanthichthys mento 440 7,9 ♀ ~ • ● ▼ 西 区 26°C sg: 1.022 25 cm 300L 3, 6-7 ♀ ~ • ● ▼ 西 区 26°C sg: 1.022 30 cm 300L





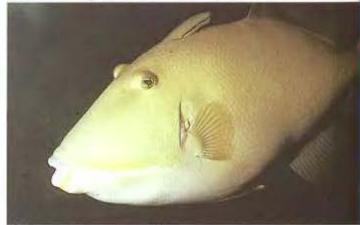
Sufflamen albicaudatus 440 10 9 ~ ~ 0 火 🖬 🖾 26°C sg: 1.022 30 cm 300L



Sufflamen chrysopterus (juv.) 440 7-9 ♀ ~ • ♥ ★ 🖾 🖾 26°C sg: 1.022 30 cm 300L



Sufflamen bursa 440
7-9 ♀ ~ ▼ ♥ ➡ 🖾 26°C sg: 1.022 25 cm 300L 7-9 ♀ ~ ▼ ♦ 🖸 🗷 🖾 🖾 26°C sg: 1.022 40 cm 400L



Sufflamen fraenatus 440



Canthidermis maculatus 440 Circumtemp. ♀ ~ → € ⊁ 🖬 🖾 26°C sg: 1.022 50 cm 500L



Canthidermis maculatus (juv.) 440 Circumtrop. ♀ ~ ~ 0 火 🚡 🖾 26°C sg: 1.022 50 cm 500L



Odonus niger 440 7-10 ♀ ~ ► € ★ 🖬 🖾 26°C sg: 1.022 50 cm 500L



Canthidermis sufflamen 440 2 ♀ ~ • ○ 火 區 🖂 26°C sg: 1.022 25 cm 300L



Balistes polylepis 440 3 ℃ ~ 0 火 🖬 🖾 26°C sg: 1.022 76 cm 800L



Balistes capriscus 440 2, 13 9 ~ ~ 0 ★ E 326°C sg: 1.022 30 cm 300L



Balistes forcipitus 440
13 ℃ へ ♥ ★ 〒 26°C sg: 1.022 44 cm 500L 2 ℃ へ ● ★ 〒 26°C sg: 1.022 60 cm 600L





Pseudobalistes fuscus 440 7-10 ♀ ∿ → € ※ 🖬 🖾 26°C sg: 1.022 55 cm 500L



Balistoides viridescens 440 7-10 ♀ ∿ ¬ • ♥ ★ 🖾 🖾 26°C sg: 1.022 70 cm 700L



Rhinecanthus assasi 440 7-10 ♀ ~ • ○ 火 励 区 26°C sg: 1.022 30 cm 300L



Pseudobalistes fuscus (juv.) 440 7-10 ♀ ∿ ╮ € ※ 🚡 🖾 26°C sg: 1.022 55 cm 500



Pseudobalistes fuscus 440 7-10 ♀ ◇ → ○ ※ 🗗 🖾 26°C sg: 1.022 55 cm 500



Rhinecanthus aculeatus 440 7-9 ♀ ◇ → ○ ★ 🖻 🖾 26°C sg: 1.022 30 cm 300



Rhinecanthus rectangulus 440 7-9 ♀ ~ • • ♥ ★ ➡ ☲ 26°C sg: 1.022 30 cm 300



Sufflamen bursa 440 7-9 ♀ ◇ ╮ ○ ※ 🖬 🖾 26°C sg: 1.022 25 cm 300L



Sufflamen fraenatus 440 7-9 ♀ ◇ ▼ • ○ ※ ☎ 🖾 26°C sg: 1.022 40 cm 400L



Amanses scopas 440 7-10 ♀ ∿ ▼ ♠ ☑ ≥6°C sg: 1.022 20 cm 200L



Cantherhines dumerili 440 7-9 ♀ ▼ → ○ 火 届 🖾 26°C sg: 1.022 35 cm 400L



Sufflamen chrysopterus 440 7-9 ♀ ◇ ★ ② ※ 🔂 🖾 26°C sg: 1.022 30 cm 300L



Odonus niger 440 7-10 ♀ ~ ¬ • ♥ ★ 🖾 🖾 26°C sg: 1.022 50 cm 500L



Cantherhines pardalis 440 7-10 2 ~ ~ 0 ★ 🖬 🖾 26°C sg: 1.022 27 cm 300L



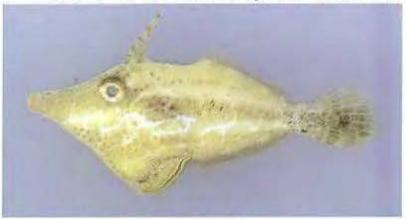
Cantherhines dumerili 440 7-9 ♀ ~ 、 ① 火 面 ত 26°C sg: 1.022 35 cm 400L



Rhinecanthus lunula 440 6-8 ♀ ❤ ► ♠ ★ 🖼 🖾 26°C sg: 1.022 19.4 cm 200L



Rhinecanthus verrucosus 440 7 ℃ ~ ① 火 lo III 26°C sg: 1.022 30 cm 300L



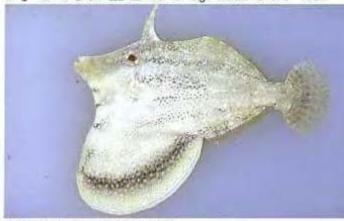
Monacanthus tuckeri 440 29~~ (0火面區 26°C sg: 1.022 9 cm 100L



Monacanthus tuckeri 440 29~~~ 0火面区 26°C sg: 1.022 9 cm 100L



Monacanthus ciliatus 440 2, 13 € ~ • 0 % To E 26°C sg: 1.022 20 cm 200L



Monacanthus ciliatus 440 2, 13 ♀ ▽ 、 0 火 🕞 🖾 26°C sg: 1.022 20 cm 200L



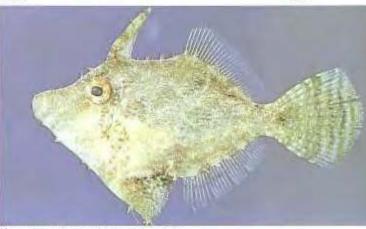
Monacanthus hispidus 440 2, 13 字 ~~ * ① 火 届 图 26°C sg: 1.022 25 cm 300L 2, 13 字 ~~ * ① 火 届 图 26°C sg: 1.022 25 cm 300L



Monacanthus hispidus 440



Monacanthus chinensis 440 7,8 € ~ ~ 0 ♥ In E 26°C sg: 1.022 25 cm 300L



Monacanthus chinensis 440 7-8 ♀ ◇ ↑ ♠ ♥ ★ 🖾 🖾 26°C sg: 1.022 25 cm 300L



Monacanthus filicauda 440 7-8 3 ~ + 0 ♥ m E 26°C sg: 1.022 25 cm 250L



Cantherhines pullus 440 1-2 9 ~ + 0 ♥ 1 E 24°C sg: 1.023 20 cm 200L



Cantherhines sandwichensis 440 6 9 ~ + 0 ♥ m ⊆ 26°C sg: 1.022 13 cm 150L



Monacanthus chinensis 440 7-8 9 ~ + 0 ♥ 1 5 26°C sg: 1.022 25 cm 300L





Cantherhines macroceros 440
1-2 ♀ ◇ → ♠ ♥ ▼ ☎ ☑ 24°C sg: 1.023 46 cm 500L
1-2 ♀ ◇ → ♠ ♥ ▼ ☎ ☑ 24°C sg: 1.023 46 cm 500L



Meuschenia flavolineata 440 12 ♀ ◇ ↑ € ♥ 🖬 🖾 23°C sg: 1.024 20 cm 200L



Meuschenia hippocrepis 440 12 ♀ ~ + € ♥ ☎ 🖾 24°C sg: 1.023 50 cm 500L



Pervagor melanocephalus 440 7-10 ♀ ~ ↑ ① ♥ 🖬 🖾 26°C sg: 1.022 16 cm 200L



Chaetodermis penicilligerus 440 5, 7-9 ♀ ◇ ↑ € ♥ ➡ 🖾 26°C sg: 1.022 18 cm 200L



Meuschenia galii 440 12 ♀ ◇ ↑ € ♥ 🖻 🖾 24°C sg: 1.022 23 cm 300L



Oxymonacanthus longirostris 440 6-10 ◆ ● ♥ ☎ 🖾 26°C sg: 1.022 7 cm 80L



Scobinichthys granulatus 440 8, 12 ♀ → ↑ ○ ♥ 🖻 🖾 24°C sg: 1.022 25 cm 300L



Aluterus scriptus 440 Circumtrop. ♀ ~ ↑ ● ♥ ﷺ 🖾 26°C sg: 1.022 100 cm 1000L





Stephanolepis cirrhifer 440 5, 7-9 ♀ ◇ ↑ ◐ ※ ﷺ ☑ 26°C sg: 1.022 40 cm 400L



Cantherhines howensis 440 8 € ~ + • • ■ 🖾 🖾 26°C sg: 1.022 20 cm 200L



Cantherhines verrucundus 440 6 € ~ + € ♥ 🖼 🖾 26°C sg: 1.022 12.5 cm 150L



Cantherhines fronticinctus 440 7-9 2 ~ + € ♥ \$\overline{\text{C}}\$ 26°C sg: 1.022 14 cm 150L



? Paramonacanthus japonicus 440 5, 7 ♀ ◇ → ♠ ♥ 🖾 25°C sg: 1.022 16 cm 200L



Meuschenia flavolineata 440 12 2 ~ + € ♥ ﷺ 🖾 24°C sg: 1.023 20 cm 200L



Meuschenia hippocrepis 440 12 ♀ ∽ + € ♥ ﷺ 🖾 24°C sg: 1.023 50 cm 500L



Meuschenia venusta 440 12 ♀ ◇ ↑ € ♥ № 🖾 🖾 24°C sg: 1.023 18 cm 200L



Pervagor melanocephalus 440 7-9 ♀ ~ → ♠ ♥ ﷺ 🖾 26°C sg: 1.022 16 cm 200L



Pervagor melanocephalus 440 7-9 € V N 🖾 26°C sg: 1.022 16 cm 200L



Pervagor aspricaudus 440 6 € V (V 15 = 26°C sg: 1.022 15 cm 150L



Pervagor spilosoma 440 6 % V 0 V m ⊆ 26°C sg: 1.022 13 cm 150L



Rudarius ercodes 440 5, 7 2 V 1 V 10 E 26°C sg: 1.022 10 cm 100L



Acreichthys tomentosus 440 6-7 % ~ € ♥ 🖬 🖾 26°C sg: 1.022 9 cm 100L







Paramonacanthus oblongus 440 5, 7, 9 € ~ • ▼ 🕞 🖾 26°C sg: 1.022 16 cm 200L



Pencipelta vittiger 440 12 9 ~ + 0 ♥ ■ E 24°C sg: 1.023 10 cm 100L



Paramonacanthus barnardi 440 9 ♀ ◇ ↑ ① ♥ 26°C sg: 1.022 9 cm 100L



? Paramonacanthus sp. 440 7-8 ♀ ◇ ↑ ● ♥ ☎ 🖾 26°C sg: 1.022 20 cm 200L



Chaetodermis pencilligerus 440 5, 7-9 ♀ ◇ ↑ ① ♥ ☎ ☲ 26°C sg: 1.022 25 cm 250L



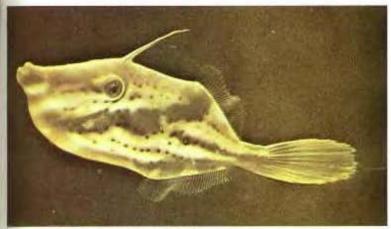
Scobinichthys granulatus 440 8, 12 ♀ → ↑ € ♥ 📠 🖾 24°C sg: 1.022 25 cm 300L

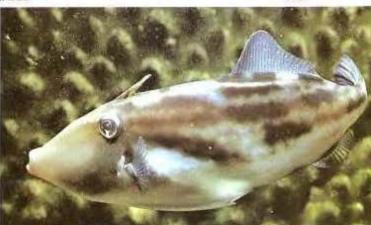




Eubalichthys mosaicus 440

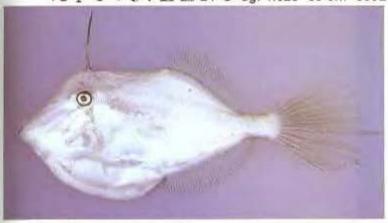
12 ♀ ▽ ♀ ◐ ♥ ☑ 24°C sg: 1.023 30 cm 300L 12 ♀ ▽ ♀ ◐ ♥ ☑ 24°C sg: 1.022 10 cm 100L





Aluterus schoepfi 440
1-2 ♀ ▽ ↑ ◐ ♥ ➡ ☲ 24°C sg: 1.023 60 cm 600L

Thamnaconus modestus 440
5, 7-9 ♀ ▽ ↑ ◐ ♥ ➡ ☲ 24°C sg: 1.023 30 cm 300L



Aluterus monoceros 440 Circumtrop. ~ + € ♥ 1 26°C sg: 1.022 75 cm 800L



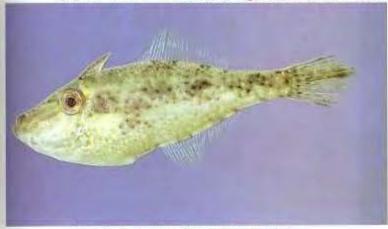
Aluterus monoceros 440 Circumtrop. ~ + 0 ♥ 1 = 26°C sg: 1.022 75 cm 800L



?Aluterus sp. 440 8 9 ~ + 0 ♥ m 至 26°C sg: 1.022 40 cm 400L



Pseudalutarius nasicornis 440 7-9 ♀ ヘナ ★ ① ♥ ☎ 26°C sg: 1.022 18 cm 200L



Acanthaluterus spilomelanura 440 Amanses scopas 440
12 ♀ ◇ ↑ ♥ ♠ ⊑ 24°C sg: 1.022 8 cm 80L 7-10 ♀ ◇ ↑ € ♥ № ⊑ 26°C sg: 1.022 30 cm 300L

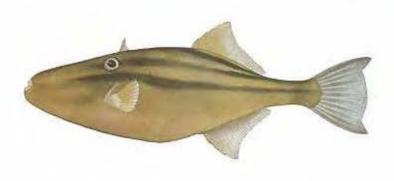




Thamnaconus modestus 440 5, 7-9 € ~ + 0 ♥ ₩ 🖾 🖾 24°C sg: 1.023 30 cm 300L



Thamnaconus australis 440 12 € ~ + € ♥ № E 24°C sg: 1.022 27.5 cm 300L



Nelusetta ayraudi 440 7, 12 ♀ ◆ ◆ ♥ ♥ ☑ 26°C sg: 1.022 50 cm 500L



Parika scaber 440 11 2 ~ + 0 ♥ 2 1 22°C sg: 1.024 20 cm 200L



Aluterus scriptus 440 Circumtrop. 2 ~ + 0 ♥ 1 26°C sg: 1.022 100 cm 1000L







 Paraluterus prionurus 440
 Paraluterus prionurus 440

 7-9 ♀ ◇ ↑ ♠ ♥ ☎ ☒ 26°C sg: 1.022 9.5 cm 100L
 7-9 ♀ ◇ ↑ ♠ ♥ ☎ ☒ 26°C sg: 1.024 9.5 cm 100L



Anoplocapros lenticularis 441 12 ♀ ▽ € ♥ № № № 24°C sg: 1.023 15 cm 150L



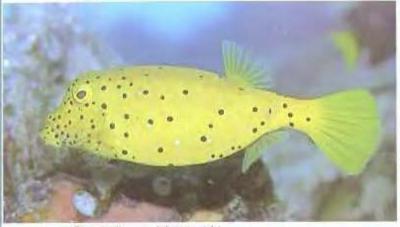
Aracana aurita 441 12 € ∿ € № № 524°C sg: 1.023 18 cm 200L



Lactoria cornuta 441 8, 12 ℃ ♥ ♥ 🖼 🖾 25°C sg: 1.023 50 cm 500L



Anaplocapros lenticularis 441 12 ℃ ♥ № 조 24°C sg: 1.023 15 cm 150L



Ostracion cubicus 441 7-10 ♀ ∿ € ♥ ﷺ ☑ 26°C sg: 1.022 45 cm 500L



Ostracion meleagris meleagris 441 ₹ 7-9 ♀ ♥ ♥ ☑ 26°C sg: 1.022 14 cm 150L



Ostracion trachys 441 7, 9 ♀ ~ € ♥ ﷺ 🖾 26°C sg: 1.022 15 cm 150L





Ostracion cubicus 441 7-10 ♀ ~ € ♥ ☎ ☲ 26°C sg: 1.022 45 cm 500L



Ostracion meleagris meleagris 441 ♀
7-9 ♀ ◇ ♥ ♥ ☑ 26°C sg: 1.022 15 cm 150L



Tetrosomus gibbosus 441 7-10 ♀ ◇ ♥ ❤ № № 26°C sg: 1.022 30 cm 300L



Lactoria diaphanus 441 6-9 ♀ ◇ ♥ ♥ ☎ ☎ 26°C sg: 1.022 25 cm 300L



Kentrocapros aculeatus 441 5, 7 ♀ ◇ ♥ ♥ № 🖾 26°C sg: 1.022 13 cm 150L



Ostracion immaculatus 441 6-10 ♀ ~ ◐ ♥ ☎ ☲ 26°C sg: 1.022 45 cm 500L



Ostracion cubicus? 441 7-10 ♀ ~ € ♥ № 🖾 🖾 26°C sg: 1.022 45 cm 500L



Strophiurichthys robustus 441 12 ♀ ◇ • • ♥ ☎ ☒ 24°C sg: 1.023 25 cm 300L



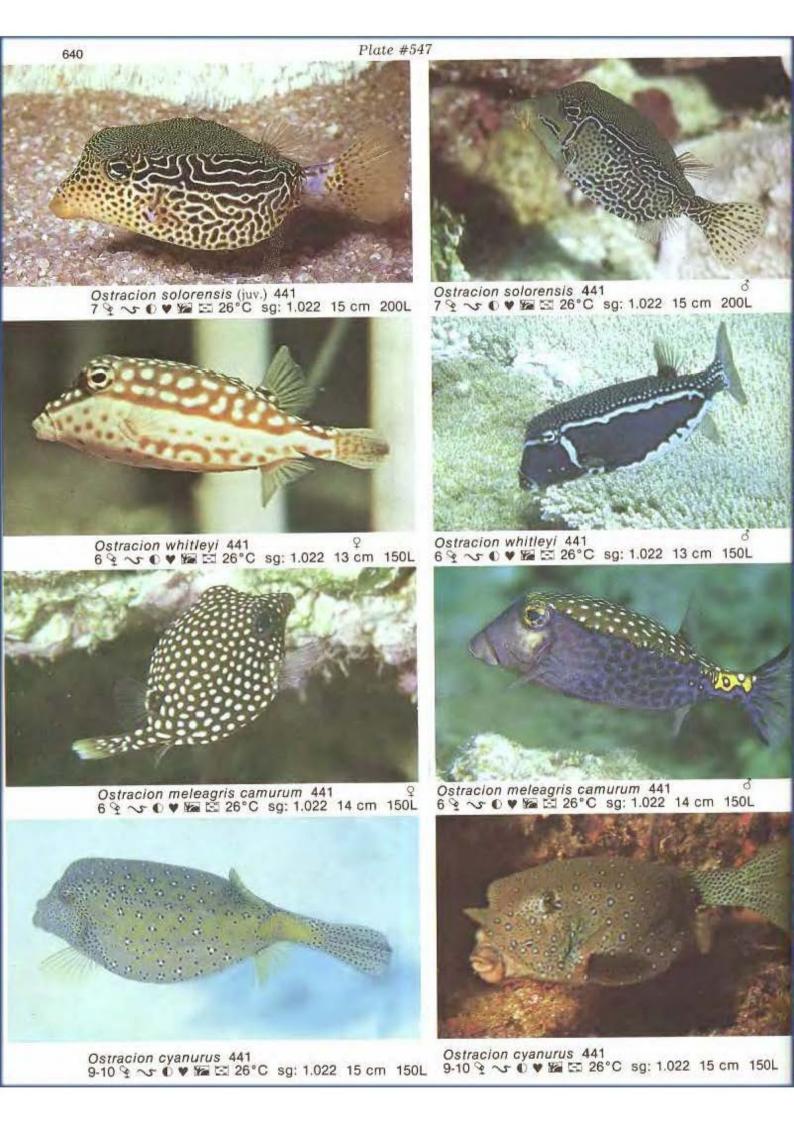
Lactoria cornuta 441 8, 12 ♀ ~ € ♥ № № 25°C sg: 1.023 50 cm 500L



Ostracion cubicus 441 7-10 ♀ ∽ • ♥ № 🖾 🖾 26°C sg: 1.022 45 cm 500L



Ostracion cubicus 441 (juv.) 7-10 ♀ ∿ € ♥ № № № 500L





Lactophrys quadricornis 441 2 2 ~ € ♥ 🖼 🖾 26°C sg: 1.022 43 cm 500L



641

Lactophrys quadricornis 441 2 9 ~ 0 ♥ 1 26°C sg: 1.022 43 cm 500L



Lactophrys polygonia 441 2 ℃ ▼ © ♥ 🖾 26°C sg: 1.022 48 cm 500L



Lactophrys polygonia 441 2 ℃ ♥ ♥ © C 26°C sg: 1.022 48 cm 500L



Lactophrys bicaudalis (juv.) 441 2 ℃ ℃ ♥ 🖾 26°C sg: 1.022 43 cm 500L



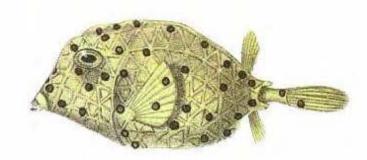
Lactophrys bicaudalis 441 2 ♀ ∽ € ♥ ﷺ 🖾 26°C sg: 1.022 43 cm 500L

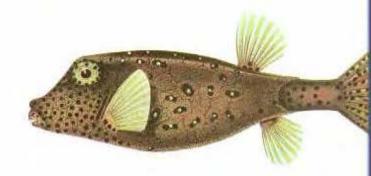


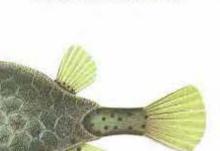
Lactophrys trigonus 441

2 2 ~ € • € 1.022 45 cm 500L 2 2 ~ € • € 26°C sg: 1.022 28 cm 300L





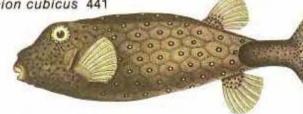




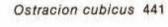
Ostracion cubicus 441 Ostracion cubicus 441

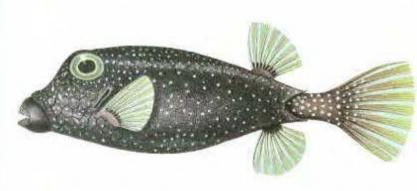


Ostracion cubicus 441

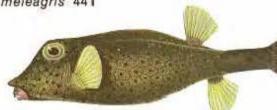


Ostracion cubicus 441

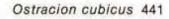


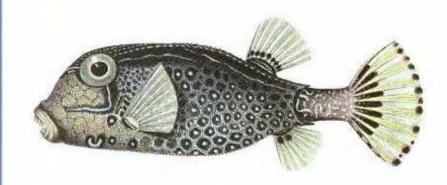


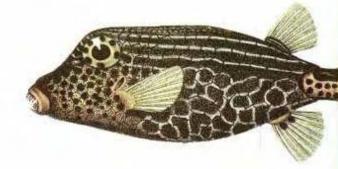
Ostracion meleagris 441



Ostracion meleagris 441





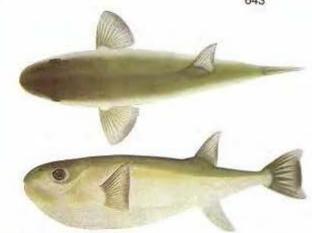


Ostracion solorensis 441

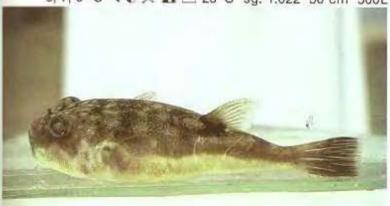
Ostracion solorensis 441



Triodon macropterus 442 5, 7, 9 ~ ~ 0 火 面 日 26°C sg: 1.022 50 cm 500L



Lagocephalus gloveri 443 7-10 ~ • • ★ 🗗 🖂 26°C sg: 1.022 40 cm 400L



Amblyrhynchotes honckenii 443 5, 7, 9 ~ ~ € 🖈 屆 🖽 26°C sg: 1.022 30 cm 300L



Amblyrhynchotes sp. 443 7 ~ ~ ○ 火 屆 ⊟ 26°C sg: 1.022 25 cm 300L



Torquigener pleurogramma 443 12 ◇ → ① ※ 📠 🖽 24°C sg: 1.022 15 cm 200L

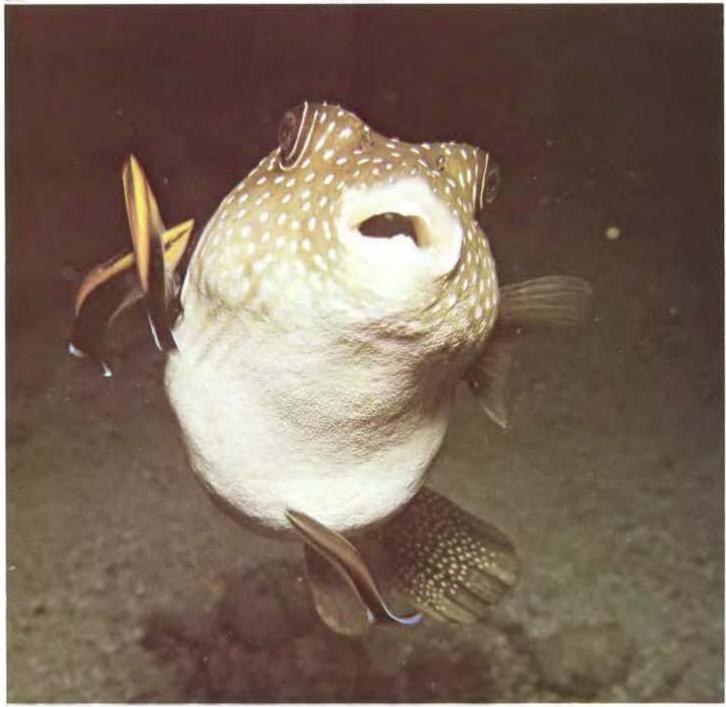




Omegophora sp. 443
12 ~ ~ ○ 火 📠 🖂 24°C sg: 1.022 15 cm 200L

Omegophora armilla 443
12 ~ ~ ○ 火 📠 🖂 26°C sg: 1.022 14 cm 150L





Arothron hispidus 443 7-10 ~ ~ ● * 📻 🗆 26°C sg: 1.022 50 cm 500L



Arothron meleagris 443 3, 6-9 ✓ 🖈 🕩 🖄 🛅 26°C sg: 1.022 15 cm 200L



Arothron meleagris 443 3, 6-9 ~ ~ € × 1 = 26°C sg: 1.022 15 cm 200L



Arothron meleagris (yellow phase) 443 3, 6-9 ◇ → ♦ ♦ ★ 🖻 🗄 🖯 26°C sg: 1.022 15 cm 200L



Arothron meleagris (black phase) 443 3, 6-9 ✓ 🔩 🕽 🖂 26°C sg: 1.022 15 cm 200L





Arothron nigropunctatus (½ yellow) 443 7-9 → ♦ € 🛠 🛅 🗏 26°C sg: 1.022 40 cm 400L



Arothron hispidus 443 7-10 ~ 、 ① 火 亩 □ 26°C sg: 1.022 50 cm 500L 7-10 ~ 、 ① 火 亩 □ 26°C sg: 1.022 50 cm 500L



Arothron hispidus (var) 443



Arothron hispidus 443 7-10~~~①火 區 🗆 26°C sg: 1.022 50 cm 500L



Arothron nigropunctatus 443 7-9 ◇ → ① 火 面 ⊟ 26°C sg: 1.022 40 cm 400L



Arothron stellatus 443 7-10 ▽ 、 ○ 火 區 ⊟ 26°C sg: 1.022 100 cm 1000L



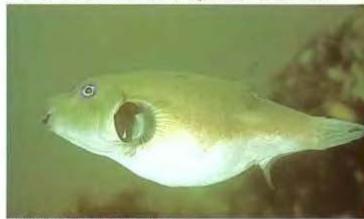
Omegophora cyanopunctata 443 12 ◇ S ♦ 🖎 🕞 😑 24°C sg: 1.022 12 cm 150L



Arothron meleagris 443 3, 6-9 ~ ↑ ① ★ ➡ ☱ 26°C sg; 1.022 15 cm 200L



Arothron nigropunctatus 443 7-9 ~ ~ 0 火 등 ⊟ 26°C sg: 1.022 40 cm 400L



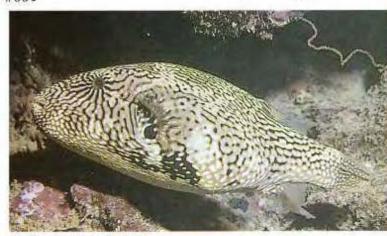
Arothron inconditus 443 9 ~ ~ 0 × 10 ≥ 26°C sg: 1.022 40 cm 400L



Amblyrhinchotes hypselogenion 443 6-10 ~ < € ★ 🖬 🖽 26°C sg: 1.022 18 cm 200L



Arothron diadematus 443 6-10 ✓ 、 ○ ★ 🗗 🖾 26°C sg: 1,022 30 cm 300L



Arothron mappa 443 7,9 ◇ 5 ↑ ① 火 🌇 🖾 26°C sg: 1.022 70 cm 700L



Arothron stellatus 443 6-10 ◇ → ① 火 函 四 26°C sg: 1.022 90 cm 1000L



Arothron stellatus 443 6-10 ~ ~ 0 % ➡ ☲ 26°C sg: 1.022 90 cm 1000L



Arothron stellatus (adult) 443 6-10 ~ 、 0 火 區 区 26°C sg: 1.022 90 cm 1000L



Arothron reticularis 443 7,9 ~ ~ € ★ 🖬 🖾 26°C sg: 1.022 35 cm 400L



Canthigaster leopardus 443 7 ◇ 、 ① 火 猛 运 26°C sg: 1.022 5 cm 50L



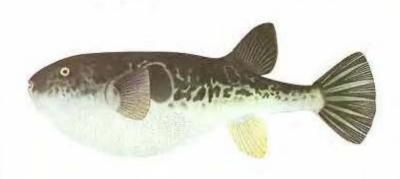
Canthigaster tyleri 443 7,9 ◇ 、 ○ 火 屋 区 26°C sg: 1.022 7 cm 80L



Arothron manilensis 443 6-9 2 ~ 0 ★ 📾 🖾 26°C sg: 1.022 50 cm 500L



Arothron manilensis 443 6-9 ℃ ▼ ① ※ 🗗 🖾 26°C sg: 1.022 50 cm 500L



Takifugu rubripes 443 5, 7 € ~ 0 ★ 월 🖾 26°C sg: 1.022 80 cm 800L



Arothron immaculatus 443 7-10 ♀ ◇ ◐ ≭ 26°C sg: 1.022 30 cm 300L



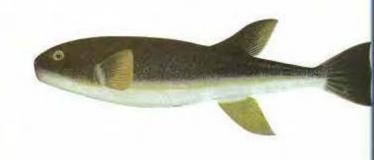
Takifugu pardalis 443 5, 7 ♀ ~ 0 火 26°C sg: 1.022 35 cm 400L



Takifugu pardalis 443 5, 7 ℃ ◇ ♥ 點 🖾 26°C sg: 1.022 35 cm 400L



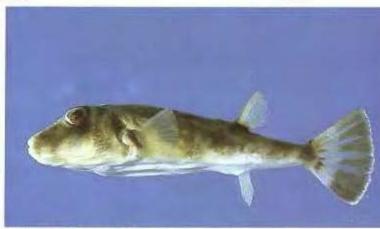
Takifugu niphobles 443 5 ℃ ℃ 火 區 区 24°C sg: 1.023 20 cm 200L



Takifugu stictonotus 443 5, 7 ♀ ◇ ♥ № № № № 26°C sg: 1.022 35 cm 350L



Sphoeroides sp. 443 3 ℃ ℃ 火 ☲ 26°C sg: 1.022 20 cm 200L



Sphoeroides annulatus 443 3 ~ • ○ 火 届 🖾 26°C sg: 1.022 10 cm 100L



Sphoeroides marmoratus 443 13 ♀ ◇ ● ※ ﷺ 🖾 26°C sg: 1.022 30 cm 300L



Sphoeroides erythrotaenia 443 7 ~ • € 🗴 🖾 🖾 26°C sg: 1.022 9 cm 100L



Sphoeroides spengleri 443 1,29~ ①火屋区 24°C sg: 1.022 20 cm 200L



? Chelonodon laticeps 443 9 ~ < 0 % ➡ ☒ 26°C sg: 1.022 20 cm 200L



 Sphoeroides hamiltoni 443
 ?Takifugu oblongus 443

 8 ♀ ∨ ◐ ఄఄ № ☎ ☑ 26°C sg: 1.018 12.5 cm 150L
 7 ∨ ╮ ◐ ఄఄ № ☎ ☑ 26°C sg: 1.022 20 cm 200L

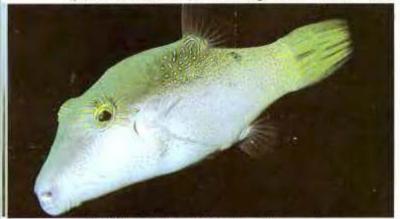




Canthigaster ambionensis 443 6-9 ✓ ✓ ○ ※ 🗗 🖾 26°C sg: 1.022 15 cm 150L



Canthigaster bennetti 443 7,9 ~ ~ ○ ★ 🗗 🖾 26°C sg: 1.022 10 cm 100L



Canthigaster epilamprus 443 6-8 ~ < € 🗴 🕞 🖾 🖾 26°C sg: 1.022 7 cm 80L



Canthigaster leopardus 443 7 🌣 🕻 🛠 🎏 🖾 26°C sg: 1.022 5 cm 50L



Canthigaster amboinensis 443 6-9 ~ • • • ★ 🖻 🖾 26°C sg: 1.022 15 cm 150L



Canthigaster coronata 443 6-10 ~ ~ ● ★ 🖬 🖾 26°C sg: 1.022 13 cm 150L



Canthigaster janthinoptera 443 7,9 → • ○ ★ ➡ 🖾 26°C sg: 1.022 9 cm 100L



Canthigaster smithae 443 7, 9 ~ ~ € ★ 🗗 🖾 26°C sg: 1.022 13 cm 150L



Canthigaster punctatissimus 443 3 ~ ~ 0 ★ 🖼 🖾 26°C sg: 1.022 7.5 cm 100L



Canthigaster jactator 443 5, 6.7 ~ C X 6 26°C sg: 1.022 8 cm 100L



Canthigaster compressus 443 Canthigaster callisterna 443 7 ✓ √ ○ 火 ➡ 26°C sg: 1.022 10 cm 100L 12 ✓ √ ○ 火 ➡ 24°C sg: 1.024 23 cm 250L





Canthigaster bennetti 443 7,9 ~ ~ € ※ № 区 26°C sg: 1.022 10 cm 100L



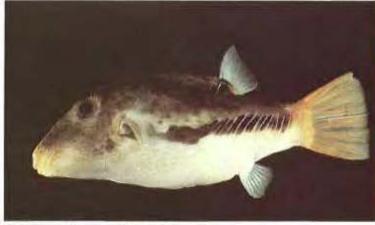
Canthigaster rostrata 443 2, 13 ~ · ① 火 面 🖾 26°C sg: 1.022 11 cm 100L







Canthigaster ocellicincta 443 7-8 ◇ → ① 火 函 区 26°C sg: 1.022 10 cm 100L



Canthigaster marquesensis 443 6 ◇ 、 ○ 火 區 図 26°C sg: 1.022 15 cm 150L



Canthigaster rivulata 443 6-7, 9 → • • • ★ 🖬 🖾 26°C sg: 1.022 20 cm 200L





Canthigaster margaritata 443 10 ◇ → ① 火 屆 區 26°C sg: 1.022 12 cm 150L



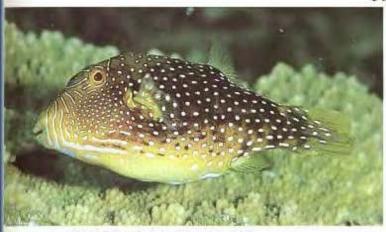
Canthigaster inframacula 443 6 ~ ~ € × € ★ № № 26°C sg: 1.022 15 cm 150L



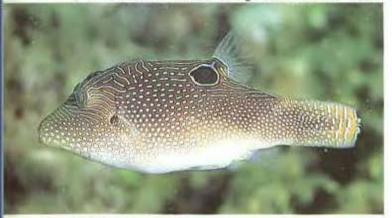
Canthigaster capistratus 443 13 ~ ~ 0 % ■ 🖾 26°C sg: 1,022 6 cm 60L



Canthigaster sanctaehelenae 443 13 ~ • ○ 火 ➡ 🖾 26°C sg: 1.022 12 cm 150L



Canthigaster natalensis 443 9 ~ • € 🛠 🗗 🖾 26°C sg: 1.022 15 cm 150L



Canthigaster solandri 443 6-7, 9 ✓ 🕻 🗘 🖾 🖾 26°C sg: 1.022 11 cm 100L



Chilomycterus affinis 444 3~~0火面区 26°C sg: 1.022 51 cm 500L



Diodon hystrix 444 Circumtrop. ♀ ╮ ╮ ♥ ※ 📠 🖾 26°C sg: 1.022 60 cm 600L



Canthigaster natalensis 443 9 ~ ~ 0 ★ 🗗 🖾 26°C sg: 1.022 15 cm 150L



Canthigaster tyleri 443 9 → • ○ ★ 🗗 🖾 26°C sg: 1.022 14 cm 150L



Cyclichthys orbicularis 444 7-9 ~ • ○ 火 函 図 26°C sg: 1.022 14 cm 150L

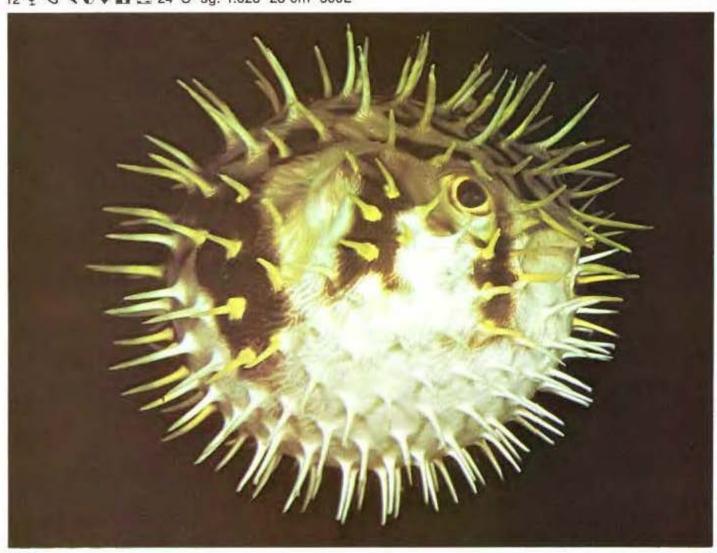


Diodon nicthemerus 444 12 ≥ ~ ~ • • ■ ☑ 24°C sg: 1.023 28 cm 300L



Diodon hystrix 444 Circumtrop. ♀ ~ ~ ♥ ★ 🗗 🖾 26°C sg: 1.022 60 cm 600L

Diodon nicthemerus 444 12 ♀ ▽ ¬ ♥ ♥ ➡ 🖾 24°C sg: 1.023 28 cm 300L

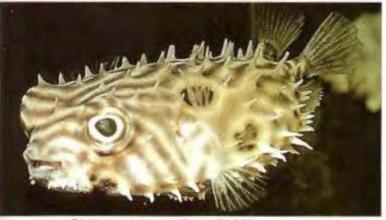




Chilomycterus antillarum 444 2~ ~ 0 ★ F E 26°C sg: 1.022 25 cm 300L



Chilomycterus schoepfi 444 2~~~ 0 火面 E 26°C sg: 1.022 25 cm 300L



Chilomycterus schoepfi 444 2~ · 0 ★ m 至 26°C sg: 1.022 25 cm 300L



Chilomycterus schoepfi 444 2~~●火 面 区 26°C sg: 1.022 25 cm 300L



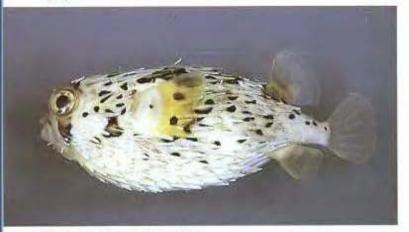
Chilomycterus antennatus 444



Chilomycterus antennatus 444 2, 13 ◇ → ● 火 面 図 26°C sg: 1.022 23 cm 250L







Diodon holacanthus 444 Circumtrop. ✓ 🕻 🗘 🔁 🖾 26°C sg; 1.022 50 cm 500L



Lophodiodon calori 444 7.9 ~ 4 0 火 配 四 26°C sg: 1.022 20 cm 200L





Mola mola 444 Circumtrop. ~ ↑ ↑ ↑ ★ 🖾 🖾 26°C sg: 1.022 300 cm 3000L



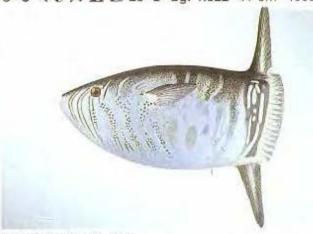
Diodon holacanthus 444 Circumtrop. ✓ ¬ • • ★ 📠 🖾 26°C sg: 1.022 50 cm 500L



Diodon liturosus 444 5-9 ~ ~ ○ ※ 📠 🖾 26°C sg: 1.022 50 cm 500L



Diodon myersi 444 8 ~ < € ★ 1 = 26°C sg: 1.022 41 cm 400L



Ranzania laevis 445 Circumtrop. ✓ 、 ○ ※ ➡ 🖾 26°C sg: 1.022 81 cm 800L



Gymnothorax miliaris, Peppered Moray. Family Muraenidae (54) Heteroconger hassi, Spotted Garden Eel. Family Congridae (62)





Dinematichthys riukyuensis, Yellow Brotula. Family Bythitidae (179) Halophryne queenslandiae, Queensland Toadfish. Family Batrachoididae (181)





Lophius piscatorius, Bigeye Goosefish. Family Lophiidae (182) Zeus faber, Bigspot Dory. Family Zeidae (245)





Trigloporus lastoviza, Hardy Sea Robin. Family Triglidae (268) Clinocottus embryum, Calico Sculpin. Family Cottidae (276)





Epinephelus guaza, Green Grouper. Family Serranidae (284) Epinephelus ongus, White-dappled Grouper. Family Serranidae (284)





Cephalopholis formosa, Bluestripe Grouper. Family Serranidae (284) Pseudanthias bimaculatus, Bluetip Anthias. Family Serranidae (284)





Pseudanthias cooperi, Cooper's Anthias. Family Serranidae (284)

Pseudochromis polynemis, Whitetail Dottyback. Family Pseudochromidae (286)





Pseudochromis splendens, Bandit Dottyback. Family Pseudochromidae (286) Pterapogon kauderni, Banggai Cardinalfish. Family Apogonidae (297)





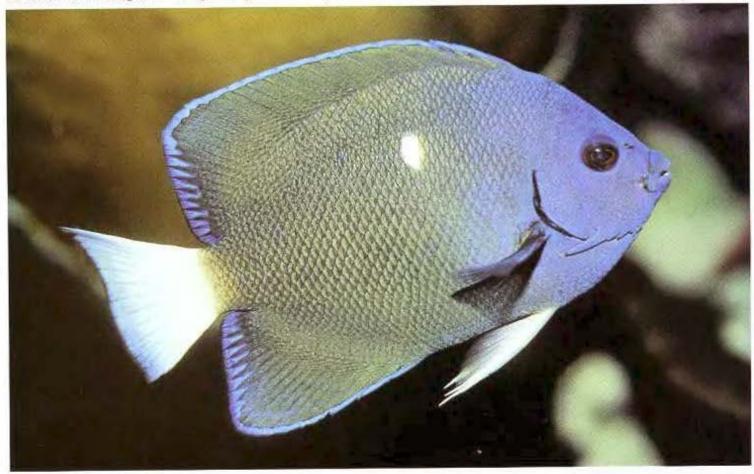
Hoplolatilus luteus, Yellow Tillefish. Family Malacanthidae (300)

Centropyge woodheadi, Woodhead's Dwarf Angelfish. Family Pomacanthidae (339)





Centropyge aurantiacus, Velvet Dwarf Angelfish. Family Pomacanthidae (339) Holacanthus limbaughi, Limbaugh's Angelfish. Family Pomacanthidae (339)





Chaetodontoplus coeruleopunctatus, Yellowtail Angelfish. Family Pomacanthidae (339) Gomphosus tricolor, Blue-tail Bird Wrasse. Family Labridae (358)





Cheilinus abudjubbe, Parrot Wrasse. Family Labridae (358) Scarus bowersi, Bowers's Parrotfish. Family Scaridae (360)



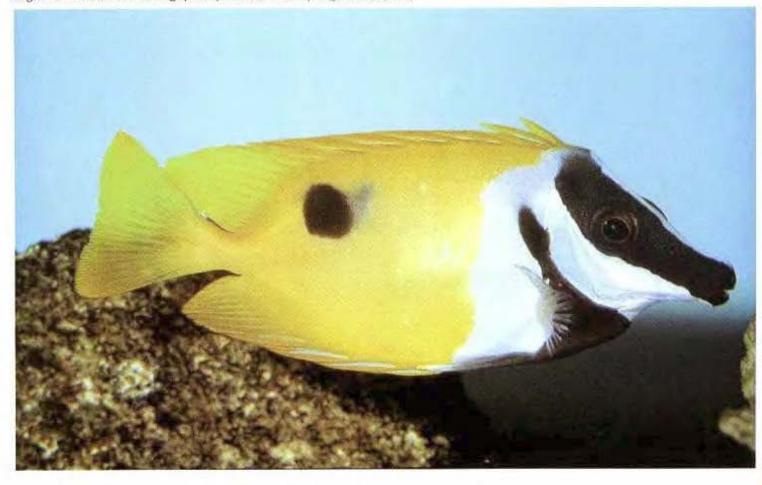


Valenciennea wardi, Ward's Glider. Family Gobiidae (403)
Cryptocentrus pavononoides, Speckled Shrimp Goby. Family Gobiidae (403)





Amblygobius rainfordi, Rainford's Goby. Family Gobiidae (403) Siganus unimaculatus, Bigspot Spinefoot. Family Siganidae (410)





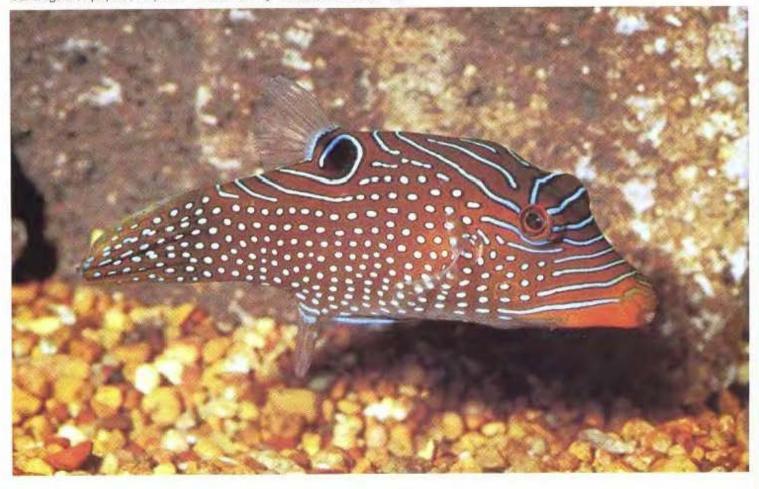
Bothus mancus, Scribbled Flounder. Family Bothidae (434)

Aracana ornata, Ornate Cowfish, male. Family Ostracionidae (441)





Aracana ornata, Ornate Cowfish, female. Family Ostracionidae (441) Canthigaster papua, Papuan Puffer. Family Tetraodontidae (443)



Family Discussions

The following discussions of families of fishes portrayed in this book are provided in order to give some additional information about the families and to act as an introduction to them. The discussions are necessarily brief, and for more information it is suggested that Nelson's book *Fishes of the World* be sought out.

Plate numbers referred to in the text appear (preceded by the number symbol, #) at center top of photo pages.

Jawless Fishes (Plates 1 & 2)

The hagfishes (class Myxini, family Myxinidae) are jawless cartilaginous fishes, eel-like or worm-like in general shape, that are voracious scavengers feeding on the internal tissues and organs of dead or dying invertebrates and fishes. Commercial fishermen examining their catch, whether it is haddock, cod, mackerel, flatfishes, etc., may sometimes discover that some of the fishes are virtually hollow. The hagfish has bored its way into the fish with a set of rasp-like teeth. Polychaete worms may form a part of their diet in some areas.

Although not usually kept as aquarium fishes by home aquarists, hagfishes may sometimes be seen in public aquariums. They are cool- to cold-water fishes that become distressed if the water temperature rises to more than 10-13° C. The water should be marine in character, hagfishes usually not surviving well in fresh or brackish conditions. They are commonly

found almost completely buried in soft mud or clay bottoms.

Although both male and female sex organs are contained in the same individual, only one or the other functions at one time (i.e., they are not synchronous hermaphrodites). There is no particular spawning season, and as many as 30 eggs can be laid by a single female in any month of the year. The eggs are large (up to 2.5 cm in diameter), yolky, and covered with a horny material. Unlike the lampreys, which have a distinct larval stage, the hagfishes do not undergo a metamorphosis.

Aquarists should be warned that the name "slime eel" is well earned as they can turn an aquarium into a slimy mess if suitably disturbed. Under the confined conditions of the

aquarium the slime can have poisonous qualities.

Sharks, Rays, and Chimaeras (Plates 1-16)

The sharks, rays, and chimaeras are all grouped into the class Chondrichthys, commonly called the cartilaginous fishes (although as noted above the hagfishes and lampreys are also cartilaginous fishes). They are divided into two main evolutionary lines, the subclass Holocephali (chimaeras) and subclass Elasmobranchii (sharks and rays), with the former being the most primitive.

The chimaeras are grouped into 1-3 families, the divisions usually based on the shape of the snout (plownose, shortnose, and longnose chimaeras). There are usually two dorsal fins, the first being preceded by a spine that in some cases has a poison gland associated with it.

The males have paired claspers used for internal fertilization. They also may have an accessory clasper-like structure in front of the eyes, the function of which is still not well

known. The eggs are encased in brown horny capsules.

Most chimaeras are found in cool to cold deep marine waters. They grow to fairly large sizes (normally to 1 m but up to 1.5 m) and do not take to handling very well. All this causes difficulties to those wishing to keep any in captivity. They normally do not last more than a few months in public aquariums although one has been kept alive for more than two years by University of Washington aquarists. These rather poor swimmers eat small invertebrates and fishes and are sometimes caught on hook and line, perishing quickly once removed from the water.

Sharks are a fairly large (approximately 250 species) and highly diversified (about 13 families in the superorder Selachimorpha) group. Most people are familiar with some sharks, particularly since the popular motion picture Jaws and its sequels were released. Almost every public aquarium or oceanarium keeps their share of sharks in large tanks that are preferably circular or doughnut-shaped so that the larger free-swimming species can be in constant motion, a requirement for such species. Even with such facilities many sharks fare quite poorly in captivity, ceasing to feed and often almost blindly ramming into the sides of the tank. Certain sharks do well in captivity, and exhibitions of their feeding draw considerable crowds. Home aquarists are more limited in their selection and normally must choose small, bottom-dwelling sharks for their aquaria.

Almost all sharks are marine. There are a few species that are able to ascend rivers into pure fresh water; the almost land-locked shark of Lake Nicaragua is quite well known. They are found around the world, mostly in tropical and subtropical waters with fewer numbers in the temperate regions and practically none in the cold polar waters. They vary considera-

bly in size from those barely 46 cm long to giants 15-20 m long.

Shark reproduction involves internal fertilization. Males are provided with claspers on the

inner edges of the pelvic fins. Development in most cases is ovoviviparous, while in others it may be oviparous or viviparous. In those that deposit eggs, the eggs are encased in horny capsules, sometimes highly ornamented, with long tendrils at the ends that become entangled (and thus anchored) with objects on the ocean floor. Some of the egg capsules have been successfully hatched in captivity.

Sharks are, without exception, carnivorous. Many are provided with very sharp, often serrated teeth that can do considerable damage to objects a lot harder than human flesh. Most sharks feed primarily on fishes, while others are scavengers feeding on whatever becomes available. Still others have teeth modified to feed on hard-shelled molluscs or crustaceans. The huge whale shark and basking shark, on the other hand, feed on small planktonic forms, primarily crustaceans. As for attacks on man, these are usually few and far between. Even then, in many cases the shark was provoked or it was a case of mistaken identity, the human victim appearing to the shark as its more natural prey (ex. seals).

Aquarists should be warned that even the small sharks that are kept in home aquaria have the potential of inflicting a severe bite on anyone foolish enough to become careless when handling them. These sharks are surprisingly strong and often are able to twist enough to bite at anything close enough, usually an arm. They are also quite adept at getting tangled

in nets and slashing at the fingers that are freeing it from the mesh.

The two families of the order Hexanchiformes (frill sharks, Chlamydoselachidae, and cow sharks, Hexanchidae) have a single, spineless dorsal fin and six or seven gill slits. The Frill Shark (Chlamydoselachus anguineus) is snake-like in appearance and lives in deep water where it feeds mainly on squids. Of the cow sharks, the one most likely to be seen is the Sevengill Shark (Notorynchus maculatus), which is common in California bays as well as in the western Pacific. Sharks of both families are ovoviviparous.

The single family in the order Heterodontiformes, Heterodontidae, contains species that find their way into marine aquarists' tanks. Heterodontus portusjacksoni, the Port Jackson Shark, is one of these. It is also called the oyster-crusher because of its feeding habits. Aquarists should be wary of the sharp spines preceding each of its two dorsal fins. Horny

egg cases with spiral flanges are laid by members of this family.

The order Lamniformes (with about seven families) contains most of the sharks. There are two spineless dorsal fins, an anal fin, and five gill slits. Some of the sharks in this order are small and very colorful or have interesting patterns and so are of interest to aquarists. Some of the carpet or nurse sharks, for example, are generally available to aquarists. First among these is probably the Atlantic Nurse Shark (Ginglymostoma cirratum), although it soon outgrows the tank in which it is housed. It is not very colorful but is quite docile, comparatively speaking. The carpet sharks are very colorful and in addition have fringes or lappets that add to their appeal. Most of these sharks also outgrow their tanks quite rapidly.

The family Scyliorhinidae (cat sharks) is by far the most important family of sharks to aquarists. It contains the smaller, more colorful species that do well in captivity. Almost all are bottom-dwellers feeding on the invertebrates and small fishes that are found there. Aquarists should be aware that some species grow large (over a yard) and many are from temperate regions, requiring cooler tank water. Most of the species kept in aquaria are from the Indo-West Pacific. Included in this family are the swell sharks that can fill their stomachs with air if they are removed from the water, much like a pufferfish. The species are ovoviviparous. No special care is needed for these small sharks other than a suitably large

tank, plenty of good food, and perhaps an open area of sand.

Other members of the Lamniformes include the whale shark (family Rhincodontidae), the sand tigers (family Odontaspididae), the thresher, basking, and mackerel sharks (family Lamnidae), the hammerhead sharks (family Sphyrnidae), and the smooth dogfishes and requiem sharks (family Carcharhinidae). Almost all of these are too large for private tanks, and only a few are regularly seen in public aquariums. Among the better known sharks in this group are the Whale Shark, a monster that is said to reach as much as 15 m in length, the Gray Nurse Shark (perhaps responsible for many of the shark attacks in Australian waters), the thresher sharks with their unusually elongate upper tail lobes, the Great White Shark ("Jaws"), the Mako, and of course the Tiger Shark with its tiger-like stripes and reputation to match. Stomachs of Tiger Sharks have contained a wide variety of items from indigestible, inanimate garbage items to human body parts. With such a reputation many public aquariums have tried (mostly unsuccessfully) to keep them alive. Among the more unusual sharks can be included the hammerheads, so-called because of the bizarre development of their heads, with the eyes on the end of lateral extensions.

The order Squaliformes contains sharks with two dorsal fins (with or without spines), no anal fin, and five gill slits. Three families are currently included, the dogfish sharks (family

Squalidae), the saw sharks (family Pristiophoridae), and the angel sharks (family Squatinidae). Only some of the smaller squalids are kept in home aquaria, such as species of Squalus and Cephaloscyllium, and it is Squalus acanthias that is the shark commonly used in comparative anatomy labs. The smallest shark, Squaliolus laticaudus, which grows to about 25 cm, belongs to the Squalidae. The saw sharks should not be confused with the sawfishes (family Pristidae), which are rays, although the saw sharks have many ray-like characters and have a great superficial similarity to those fishes. The saw sharks have laterally positioned gill slits while those of the sawfishes are ventrally located. The angel sharks also are somewhat ray-like but they also have the gill slits laterally positioned. The angel sharks are also called monkfish. As their flattened body might lead one to guess, they live on or close to the bottom, often partially hidden in the sand.

The superorder Batidoidimorpha, Order Rajiformes, contains the rays (in the broad sense including the sawfishes, guitarfishes, skates, etc.). Only a few colorful species are kept by marine aquarists. All of these fishes are characterized in part by having the gill slits opening

on the underside of the body.

Small members of the sawfishes (family Pristidae) are sometimes kept in home aquaria and commonly in public aquariums. They should be handled with care as the elongate snout provided with rows of sharp teeth (actually modified scales) along each side can cause considerable damage. Many an unlucky person who thought it was safe to hold one by the tail has scars to prove the fallacy of this idea. Normally the saw is used to slash through schools of fishes (mullets, etc.), impaling some on the saw teeth. Sawfishes are found around the world in shallow tropical waters. They may stray into brackish or even fresh water, and, like a shark cousin, one species has become almost land-locked in Lake Nicaragua. The guitarfishes (family Rhinobatidae) are similar in shape to the sawfishes but are without the saw. They are too big for home aquarists but may find their way into public aquariums. More fascinating to aquarists are the electric rays (family Torpedinidae). These ovoviviparous fishes can generate electrical charges, some quite intense, and should be handled with great care. Most encounters are by swimmers or waders who inadvertently step on one on a sandy bottom. These rays are poor swimmers and rely mostly on their shocking ability rather than flight for protection. Some of the species are quite colorful and, regardless of the risk, are kept in home tanks. Their food is mainly bottom invertebrates or fishes. The eagle rays (family Myliobatidae) and manta rays (family Mobulidae) are much too large for home aquaria. but some smaller ones are kept in oceanariums. They always attract attention with their graceful "flying" motions. Both eagle and manta rays are noted for their ability to leap from the water and come down with a resounding crash. The two most speciose families are the skates (family Rajidae) and stingrays (family Dasyatidae), and it is from these families, particularly the latter, that aquarium species are selected. Most skates and rays live inshore on the bottom, feeding on shellfish and/or crustaceans. Skates prefer more temperate waters and in many areas are fished for commercially. Males have long claspers for use in internal fertilization. They lay eggs encased in horny capsules that have tendrils or projections that help anchor them to objects on the bottom. Many are washed up on shore and have been given the names sailor's purse and mermaid's purse. Stingrays are more tropical fishes, spending much of their time almost completely buried in the sand or soft bottom material. In addition to the crustaceans and molluscs, they will readily feed on worms when available. Stingrays have the base of their tail armed with one or more spines provided with venomproducing tissue. Perhaps the most commonly kept stingray is Taeniura lymma, a colorful species with blue spots scattered over its upper surface.

The remaining fishes all belong to the bony fishes (class Osteichthys), which have skeletons composed, at least in part, of true bone.

The Coelacanth (Plate 17)

The Comoro Islands Coelacanth (order Coelacanthiformes, family Latimeriidae, Latimeria chalumnae) is the only known survivor of the crossopterygians, fishes usually considered to be ancestors to the entire lineage of present-day vertebrates. All the Coelacanths have been collected in relatively deep water (to 360 m) where there is a rocky bottom. Their large scales are mostly a deep metallic blue. They feed exclusively on other fishes. What makes them very unique is their lobed fins. The second dorsal, pectoral, and pelvic fins are supported by fleshy stalk-like structures earning them the common name of lobefins. Most public aquariums and oceanariums would love to have a living Coelacanth on display, but they have not been very successful in their endeavors. Obviously a rare 1.2-1.5-m fish reaching a weight of 72 kilos would not be available to private aquarists. These ovoviviparous fishes were found to contain eggs up to 9.1 cm in diameter and young in the oviduct with a length of up to 33.5 cm total length.

Tarpons, Ladyfish, and Bonefish (Plate 17)

The tarpons (Megalopidae), ladyfishes (Elopidae), and bonefishes (Albulidae) are all included in the order Elopiformes where the pelvic fins are abdominal, the tail is deeply forked, and all have a fork-tailed leptocephalus-like larva. None are of great interest to aquarists, although all are sought after avidly by fishermen. Often called the silver king, the Atlantic Tarpon (Megalops atlanticus) grows the largest, attaining up to 2.4 m in length and a weight of 135 kilos. Once hooked, the tarpon puts up a tremendous battle (especially on relatively light tackle) with spectacular leaps, giving the fisherman the time of his life. The bony mouth makes it hard to set the hook and many fish are lost. Even when landed, however, this fish is often released, partly in respect for the pleasure it has just given. Bonefish (Albula vulpes) are smaller and instead of leaping make powerful runs stripping line from the reel at a fast clip. Like the others just mentioned, the Atlantic Ladyfish (Elops saurus) is a game fish. It resembles the tarpon more in appearance and fighting characteristics but averages closer to 2.25 kilos. It also lacks the filamentous last ray characterizing the tarpon. Most of these species are found in shallow inshore waters where they feed on small fishes and invertebrates. There is a deep-water genus of bonefish (Pterothrissus) with a long dorsal fin.

Eels (Plates 18-29)

All the true eels, comprising about 20 families, are included in the order Anguilliformes. The body is elongate, and the dorsal and anal fins are usually connected to the caudal fin, while the pelvic fins (occasionally also the pectoral fins) are absent. There is a leptocephalus larva (elongate, very flattened, and almost transparent) but, contrary to that of the Elopiformes, it has a tail tapering to a point rather than a forked one. The elongate form of the eels has been suggested as being an adaptation for moving through small openings and in some cases there are further adaptations for burrowing. Although most eels are bottom-dwellers, there are at least some adapted to a bathypelagic mode of life.

Of the many eel families, only a few contribute species to the marine aquarium on a regular basis. Others may be kept as curiosities as the occasion allows. Freshwater eels (which usually spend much of their life in fully marine waters) of the family Anguillidae are collected occasionally and may find their way to home aquaria of marine enthusiasts but are then usually released again when the novelty wears off. The freshwater eels generally spawn far out in the open ocean where as many as 20 million eggs are released by each female. After spawning the adults die. The leptocephali then travel back to the continental shores (this trip may be up to several thousand kilometers) where they ultimately metamorphose into young eels called elvers that move toward fresh water. The snake eels (family Ophichthidae) are burrowers, the tails of some genera being modified into a hard, fleshy point without fins. Burrowing is done tail-first. Several species from this family, especially the colorful members of the genus Myrichthys, are regularly kept in marine aquaria. The worm or spaghetti eels (family Moringuidae) are extremely thread-like, without or with only feeble pecto-

ral fins, and with eyes that are small and covered with skin.

The conger eels (family Congridae) are distinguishable from the moray eels by possessing pectoral fins. The larger species are usually passed over by aquarists, but several members of the garden eels (subfamily Heterocongrinae) make interesting aquarium inhabitants and are seen from time to time. Garden eels are found in nature usually in rather large colonies (gardens) where there are many burrows. The garden eels will be seen hovering just above the burrows feeding on small organisms that are carried to them in the current. At the approach of some threat the eels will retreat tail-first into their burrows only to appear again slowly when the danger is past.

The moray eels (family Muraenidae) lack pectoral fins, have small, restricted lateral gill openings, and most have long, fang-like teeth. Most live on tropical and subtropical reefs in relatively shallow water and are quite colorful. Most are large, generally up to a meter in length, with others reaching a length of over two meters. Divers frequently encounter morays that are in holes in the reef with only their heads sticking out. As they respire the mouth opens and closes exhibiting the formidable teeth. Although this deters any diver from messing with them, unfortunate divers have been bitten when they stuck a hand into a hole after a fish or shell and were unaware that it was occupied by a moray eel. Normal food of morays includes small fishes and some invertebrates. Apparently squid are a delicacy for most morays, and aquarists able to supply such food should do so. Morays of the genus *Echidna* generally have teeth modified for crushing the shells and carapaces of crustaceans and molluscs. Some morays even feed on sea urchins. Even with such a bad reputation (or possibly because of it) aquarists keep many species of morays (mostly from the genus *Gymnothorax*) in their home tanks. Public aquariums almost always have several species on exhibit as well.

Herrings and Herring-like Fishes (Plates 30-32)

The herrings and herring-like fishes (order Clupeiformes) are among the most important food fishes in the world, both for human consumption and as an important link in the food chain of many fishes. They occur in vast schools that may extend for kilometers. Thus the various predators (other fishes, birds, marine mammals, etc.) can usually take their fill without seriously depleting the population. Only man, with his high-tech equipment, can seriously threaten the species as a whole. The fishes, in turn, feed on planktonic organisms that they strain out by means of their numerous long gill rakers. The herrings (family Clupeidae) are usually silvery fishes that possess abdominal scutes. Besides the herrings themselves, such well-known fishes as shad, sardines, and menhaden are included. Spawning is usually in relatively shallow water where each female may shed many thousands of eggs into the open water. The eggs are demersal (sinking to the bottom) and are coated with mucus so that they stick to objects when they reach the bottom.

The anchovies (family Engraulidae) are also commercially important food fishes. They are generally recognizable by the snout overhanging the mouth and the silvery stripe along the side. They also strain planktonic organisms with their numerous slender gill rakers, occur in massive schools, and are mostly found in tropical or temperate waters.

The wolf herrings (family Chirocentridae) grow much larger than their cousins, attaining an average length of about 1.5 m. They are voracious predators with large fang-like teeth.

None of the clupeiform fishes are generally kept by aquarists. Indeed, anchovies are so fragile they usually die if touched or taken out of the water even for a second. Add to this their lack of color, and they have little if anything to make them appealing to aquarists. Public aquariums will keep them mainly as food for the larger fishes.

Milkfish (Plate 32)

A member of the order Gonorynchiformes, Chanos chanos (family Chanidae) looks somewhat like the ladyfish or bonefish discussed previously but possesses a suprabranchial organ (lateral pouches in the posterior part of the branchial chamber). It is a very important food fish in Southeast Asia and the subject of intense aquaculture (particularly in the Philip-

pines, Taiwan, and Indonesia). The fry are collected along the shore and removed to growing-out ponds until they reach marketable size. Those seeking higher returns on their investment by raising the Milkfish to a larger size may often lose most of their fish in typhoons (causing flooding and/or destruction of the ponds) if they are unlucky.

Smelts and Noddlefishes (Plate 33)

The smelts (family Osmeridae) and noddlefishes (family Salangidae) have very little in common other than they both belong to the order Salmoniformes. As such the maxilla is included in the gape of the mouth and they possess an adipose fin between the dorsal fin and the tail. The smelts are small and silvery like herrings but, like salmon, make spawning runs into freshwater streams. They are cooler water fishes occurring in the Northern Hemisphere in both the Atlantic and Pacific Oceans. Most of the species are commercially important food fishes; none are usually kept as aquarium fishes. The icefishes or noddlefishes have almost scaleless, transparent bodies with a strongly depressed head. They are found from Sakhalin to China and perhaps even further south.

Deep-sea Bristlemouths and Viperfishes (Plate 33)

The deep-sea order Stomiiformes contains about nine families of fishes. These normally possess luminescent organs in the form of photophores. In some groups there is a chin barbel that is often used in specific identification. The mouth is usually well provided with teeth and the dominant color is usually black or brown, although there are silvery forms. Most are deep-sea fishes living in areas of perpetual darkness while some approach upper water layers at night, retreating to the darker regions with the approach of dawn. Many attempts have been made to keep species of this group alive as they make spectacular displays in public aquariums, but they are difficult to bring up to the surface alive or to keep alive once captured.

Lizardfishes and Their Relatives (Plates 34-37)

The sailfin lizardfishes (family Aulopodidae) and the lizardfishes (family Synodontidae) are only two of the dozen families of the order Aulopiformes, which is characterized by a specialization in the gill arches involving the second pharyngobranchial. These two families (plus a third, Chlorophthalmidae) are benthic, the others pelagic. An adipose fin is commonly present.

The sailfin lizardfishes resemble the typical lizardfishes but have larger dorsal fins that earned them their common name. They are found in tropical and subtropical waters and are predators on small fishes and invertebrates. Although attractive species that would be welcome in hobbyists' tanks, they are only rarely seen offered. Far more common are the members of the family Synodontidae. These fishes spend a great deal of time sitting on the bottom propped up by the ventral fins waiting for prey to come within reach. This might be small fishes or invertebrates that they dispatch quite easily as one might guess by noting the rows of sharp teeth in the jaws and the rather large mouth. Some species blend well with the sandy bottom upon which they sit while others go a step further and partially bury themselves in the substrate, making themselves almost invisible to the approaching prey. Most of the aquarium species are selected from the subfamily Synodontinae; the remaining subfamily, Harpadontinae, contains the Bombay ducks, genera Saurida and Harpadon.

The lancetfishes (family Alepisauridae) may grow to a length of almost two meters and are slender pelagic fishes with a large sail-like dorsal fin. The mouth is large and provided with well-developed teeth.

Lanternfishes (Plate 37)

The order Myctophiformes includes only two families, the lanternfishes (family Myctophidae) and the family Neoscopelidae. The lanternfishes are so-called because of the presence of groups and rows of photophores on the head and body. They live in the twilight to dark regions of the open oceans but make vertical migrations daily to the surface at night (where

they are often taken by dip-netting). They are small fishes less than 15 cm in length and may be black, brown, silvery, blue, etc., some with iridescent reflections. They are very common and occasionally are caught for public aquarium displays. Private aquarists rarely encounter them unless they collect them themselves.

Codfishes and Rattails (Plates 38 & 39)

The order Gadiformes contains seven families of fishes including the codfishes (family Gadidae) and the grenadiers or rattails (family Macrouridae). These fishes have thoracic or

jugular pelvic fins that contain up to 17 rays. There are no true spines in the fins.

The codfishes, which also include the hakes, haddock, and burbot, are cold-water fishes of the Northern Hemisphere. They are very important commercial food fishes, most of the catch nowadays being processed as frozen fillets. They are generally bottom feeders preying on small fishes, worms, crustaceans, and molluscs. A very large number of eggs are produced, a 9-kilo female Cod releasing up to 5 million eggs per season. The eggs and larvae are pelagic. These fishes are not readily available to marine aquarists and there is practically no interest in them anyway. Most public aquariums, especially those in the colder regions of the United States and Europe, have displays of these important food fishes.

The family Moridae (morid cods) includes quite variable fishes with one to three dorsal fins and one or two anal fins. The chin barbels present in many cods may or may not be present in members of this family. Most of the species are deep-water fishes and rarely available

for aquaria, private or public.

The grenadiers or rattails are deep-water fishes rarely found at less than 185 m depth and often in water greater than 750 m deep. The body tapers posteriorly to a point, and the second dorsal and anal fins are many-rayed and continuous with the long tail; a chin barbel is usually present. The eyes are usually large for vision in the low-light depths they inhabit. Special conditions are needed to keep these fishes in captivity (cold water, low light levels, etc.) and few, if any, are ever seen even in public aquariums.

Cusk Eels, Pearlfishes, and Their Relatives (Plates 40 & 41)

The cusk eels, pearlfishes, etc. (order Ophidiiformes) have many-rayed dorsal and anal fins extending to the caudal fin and often united with it. The pelvic fins are usually well forward,

even mental or jugular in position, and are composed of only one or two rays.

The cusk eels and brotulas (family Ophidiidae) inhabit tropical and temperate waters where they live on the bottom or even burrow into it. The far anterior pelvic fins are used as sensory "barbels" to search the bottom for food. These brotulas are egg-layers. Brotulas may be found in shallow to very deep water, with some even extending down in the oceanic trenches in excess of 7000 m. Those living in deep waters usually have small eyes. The pearl-fishes (family Carapidae) are mostly tropical shallow-water fishes of small size. They have very interesting symbiotic relationships with assorted invertebrate animals. The most publicized of these associations is the one in which the pearlfish lives in the gut or respiratory organs of sea cucumbers, but they also find refuge in other animals such as giant clams and sea squirts. At least one species, *Onuxodon margaritiferae*, shelters only in pearl oysters. Pearlfishes feed at night outside their host and find their way back by following a chemical scent. Because of these strange actions, pearlfishes are often sought out (with their hosts) for home aquaria.

The viviparous brotulas (family Bythitidae) are, as the common name implies, fishes that give birth to living young. Some species are well known to serious aquarists, such as the Black Widow (Stygnobrotula latebricola) and various species of Ogilbia and Dinematichthys. The family includes mostly fishes that inhabit shallow waters and even move into brackish or fresh waters. There are some species that are cave-dwellers. Because these brotulas give birth to living young, some are sought for home aquaria, where they do reasonably well on

a diet of mixed bottom invertebrates.

Toadfishes and Anglerfishes (Plates 42-51)

The toadfishes (family Batrachoididae) and the anglerfishes—some 16 families including the goosefishes (family Lophiidae), frogfishes (family Antennariidae), and batfishes (family Ogcocephalidae)—are generally grouped into the order Batrachoidiformes, although some

workers use another order, Lophiiformes, for the families of anglerfishes, which are characterized by the first ray of the spinous dorsal fin being transformed into an illicium, a lurebearing spine.

The toadfishes are bottom dwelling coastal fishes that commonly bury themselves in the soft substrate in wait for prey. Many are able to produce rather loud croaking noises (during courtship, when disturbed, etc.) that have earned them their common name. Some can enter brackish waters, and a few are confined to purely fresh water. Several species have turned up in the marine aquarium trade as curiosities, but almost all, save the reef-dwelling brightly patterned Sanopus, are drably colored. Some midshipmans possess photophores. Members of the subfamily Thalassophryninae have two dorsal spines and an opercular spine connected to venom glands, so aquarists beware. Opsanus tau can be very pugnacious, especially during breeding season. The eggs usually are laid on solid objects on the bottom (rocks, shells, even tin cans) and are vigorously defended by the male toadfish for about a month.

The goosefishes (Lophiidae) have a broad, flattened head with a big mouth and the characteristic "fishing pole" used to attract prey. They are large fishes found in cold to Arctic waters and are not kept in home aquaria. The frogfishes (Antennariidae), on the other hand. have many representatives in the marine aquarium trade. They are quite rounded, almost balloon-shaped, in contrast to the goosefishes and are most commonly encountered around coral reefs or rocky areas. Most are relatively small. The "fishing pole" and "lure" of frogfishes are well developed and used as a means of identification. The pectoral and pelvic fins are somewhat stalked and are moved as if they were tiny hands and feet as they move around obstacles over the bottom. Many colorful species are available and provide hours of entertainment for their owners as they "fish" for their prey. This is captured in a surprisingly rapid movement when the prey animal comes close to investigate the "bait." One of the most popular antennariids is the Sargassumfish (Histrio histrio). This species lives in sargassum weed as it floats in the open ocean waters. It "crawls" about on its floating home looking for fishes or crustaceans. Its pattern resembles the sargassum weed so closely that it is extremely hard to detect. Their appetites are prodigious and they can and will swallow animals that are quite large, comparatively speaking. Any fishes kept with any of the frogfishes should be larger than the frogfishes for safety. It is often said that a tankful of Sargassumfish will be reduced to one large contented Sargassumfish in a very short time.

The batfishes (Ogcocephalidae) have a very depressed, hard, and usually rough-textured body. Their pectoral fins are used to "walk" over the soft bottom on which they live. Like the frogfishes they can swim, but only awkwardly. The illicium is relatively short and is thrust from beneath the snout when the batfish is fishing for prey. Most batfishes, although quite appealing fishes, are usually passed over for more colorful reef-dwelling species.

Clingfishes (Plates 52-54)

The clingfishes share the order Gobiesociformes with only one other family, the singleslits (family Alabetidae). This latter family is restricted to Australia (primarily the southern parts), including Tasmania, and lacks the sucking disc of the clingfishes. It is a small family of four species grouped into a single genus (Alabes) with reduced or absent pelvic fins and no dorsal or anal fin rays.

The clingfishes (family Gobiesocidae) contain over 100 species distributed in warm to temperate waters around the world. Their common name is derived from the modified pelvic fins that form a characteristic sucking disc that is used to anchor them to objects in a strong current. Almost all of them are less than 10 cm in length, but a few species grow larger and one attains a length of almost 30 cm in length. The most common shape is somewhat tear-drop-like with a large head and tapering tail. However, there are many modifications on this theme, particularly in the length of the snout. Eggs are usually laid on a firm substrate (rocks, etc.) and guarded by the parent(s?). The diet includes small invertebrates for the most part. One species, Sicyases sanguineus, commonly leaves the water while foraging for food, which consists of a variety of items including algae and small molluses. Although there are a number of quite colorful species and the size is small, these fishes have not found favor with marine aquarists, with few exceptions. Clingfishes that live among the feathery arms of crinoids have been kept, but the difficulty of keeping the crinoid itself places severe restrictions on setting up a truly natural situation.

Flyingfishes, Halfbeaks, and Needlefishes (Plates 55 & 56)

The order Cyprinodontiformes contains about 13 families grouped into three suborders. Only one suborder, Exocoetoidei, with four families, is mostly marine; the other two, Adrianichthyoidei and Cyprinodontoidei, contain mostly freshwater or brackish water fishes.

The flyingfishes (family Exocoetidae) are the most appealing to aquarists because of their ability to glide for some distance over the water's surface. This is accomplished mainly by means of enlarged pectoral fins and in some cases abetted by enlarged pelvic fins (the so-called four-winged species). The lower lobe of the caudal fin is also enlarged and aids in the flight by dipping into the water while vibrating rapidly almost like an outboard motor. A succession of flights can keep the fish out of water for a considerable distance, which may deter the predators that sent them into the flight panic in the first place. Juvenile flying-fishes are quite colorful and are sometimes kept by marine aquarists, but they are not very hardy (being open ocean fishes) and soon die.

The halfbeaks (family Hemiramphidae) usually have an elongated lower jaw and lack the enlarged pectoral (and pelvic) fins of flyingfishes. The lower caudal lobe is often elongated. Like the flyingfishes, they are tropical and travel in schools. They are more inclined to live in shallow water, and there are some halfbeaks that are live entirely in fresh water. Only the

freshwater species are commonly kept in captivity.

The needlefishes (family Belonidae) have both jaws elongated and provided with numerous needle-like teeth. Like the above families they are surface fishes of tropical (and sometimes temperate) seas, but with representatives in brackish and pure fresh waters. They can also leap from the water like projectiles and, because they are attracted to light at night, have injured fishermen working with lanterns or other lights. Unlike the halfbeaks, which have most freshwater species restricted to the Indo-Australian region, the needlefishes have their freshwater representatives mostly in the Neotropical region. Only the freshwater species are generally kept by aquarists.

Silversides and Their Relatives (Plate 57)

The silversides (family Atherinidae) belong to the order Atheriniformes along with four other families, including the Melanotaeniidae (rainbowfishes and their relatives). They are usually schooling fishes found in shallow waters of temperate and tropical seas, although some species are strictly freshwater fishes. The silversides normally have a broad silver band along the sides, two dorsal fins, and abdominal pelvic fins. The most famous silverside is the California Grunion (*Leuresthes tenuis*), which spawns at night on the beaches during the highest tides from March through August. Crowds gather to watch the millions of little fish go through their act—and to gather them for food. The precision of their timing is remarkable. The eggs incubate in the warm sand for two weeks, then hatch out as the tides reach another peak, washing the fry back out to sea. Although silversides are quite hardy, the marine representatives are not very colorful and are passed over by marine aquarists. Some of the freshwater species are kept.

A closely related family, the Isonidae, includes only two genera and six species.

Opah and Related Fishes (Plate 58)

The Lampriformes contains 11 families of mostly oceanic or pelagic (some deep-water) fishes. Of these perhaps the best known are the Opah (Lampris guttatus, family Lampridae), the ribbonfishes (family Trachipteridae), and the oarfishes (family Regalecidae). The Opah is a very colorful deep-bodied fish that may grow to a weight of over 225 kilos. Ribbonfishes are deep-water fishes with a ribbon-like body and a many-rayed dorsal fin. The oarfishes are similar in shape but possess long, slender pelvic fins that are their "oars." The oarfishes, reaching lengths exceeding 3 m (unconfirmed reports to twice that), are probably responsible for some of the sightings of sea serpents.

Squirrelfishes, Lanterneye Fishes, Pineconefishes, and Their Relatives (Plates 58-69)

Fourteen families comprise the order Beryciformes, including such diverse groups as the squirrelfishes (family Holocentridae), lanterneye fishes (family Anomalopidae), beardfishes (family Polymixiidae), and the pineconefishes (family Monocentrididae). The composition of this order is commonly in a state of flux as workers in the groups add or subtract families as they see fit.

The pineconefishes are well known to aquarists. They are encased in an armor composed of large, plate-like scales and possess phosphorescent light organs on the lower jaw. Although thought rare a few years back, they are being imported into the hobby almost regularly nowadays. Public aquariums seek out these fishes for displays, usually a darkened tank or one with periods of darkness when the light organs can be seen.

The lanterneye fishes have a light organ beneath each eye that is provided with a mechanism (in different species the organ can either be rotated or covered) to control the amount of light emitted. As for pineconefishes, public aquariums construct for these fishes tanks that are darkened. The lanterneyes are able to control their light, and the darkened tank looks like it is populated with fireflies blinking on and off.

The slimeheads (family Trachichthyidae) have a preopercular spine and a row of abdominal scutes. The mucous pores on the head are well developed (as is normal in the Beryciformes). Some species have luminescence. Few species of this family are available to aquarists. One, Trachichthys australis, is occasionally seen in shipments from Australia and makes an excellent aquarium subject.

The alfonsinos (family Berycidae) lack a notched dorsal fin and have a spine and 7-13 rays in each pelvic fin. Only eight species are included in the family, and only rarely are they seen in public aquariums.

The beardfishes (Polymixiidae) are so-called because of the pair of hyoid barbels. The pelvic fins are farther back (subabdominal) than in the other groups and have a spine and only six soft rays. They generally inhabit depths from 180 to 640 m.

One of the largest families of the order, the Holocentridae includes the squirrelfishes and soldierfishes. The dorsal fin has a spiny portion and a soft-rayed portion separated by a notch. The eyes and scales are large, and the color usually includes a great deal of red. These are nocturnal fishes hiding in caves or beneath coral heads during the daytime but moving out at night to forage for food. Unlike most other members of the order, these fishes are generally found in relatively shallow water (although there are some deeper water representatives) of the tropical and subtropical regions. Adults remain close to the bottom but produce a pelagic larva that aids in their dispersal. The family is readily divided into two large groups (subfamilies) generally called the squirrelfishes and the soldierfishes, the former possessing a large spine at the angle of the preoperculum. Both squirrelfishes and soldierfishes are well represented in the aquarium trade and do well in hobbyists' tanks. They feed on a variety of foods, especially crustaceans and small fishes.

Dories and Boarfishes (Plate 70)

The dories (family Zeidae) and boarfishes (family Caproidae) along with four other families belong to the order Zeiformes. Most of the fishes of this order are deep-sea fishes, although the dories are more midwater.

The dories have small spines or bucklers at the bases of the dorsal and anal fin rays as well as eight or nine plates along the abdomen. The most well known species have a large black lateral spot ocellated with yellow and long filaments extending from the anterior dorsal fin spines. These fishes are only rarely seen in public aquariums.

The boarfishes include two genera, red-colored fishes with extremely deep bodies (Antigonia), and Capros aper, a species similar to the dories but without the abdominal plates. They live at depths of more than 240 m.

Tubesnouts and Sticklebacks (Plate 70)

The tubesnouts (family Aulorhynchidae) and sticklebacks (family Gasterosteidae) belong to the order Gasterosteiformes along with an obscure family (Hypoptychidae) from Japan and Korea containing a single species. The tubesnouts are elongate, with lateral scutes and a series of 24-26 short, isolated dorsal spines. They are coastal fishes of the North Pacific that may appear in aquaria on the West Coast of the United States and possibly in Japan. The sticklebacks may or may not be elongate, may have lateral scutes or not, and have 3-16 well-developed isolated dorsal fin spines. They are small (maximum length 18 cm in the European Spinachia spinachia) marine, brackish, or pure freshwater fishes and have gained considerable fame from the behavioral studies conducted on them. Most aquarists tend to keep the brackish or freshwater species to observe the spawning antics. The sticklebacks are primarily inhabitants of cool northern waters throughout the Northern Hemisphere.

Sea Moths (Plate 71)

Sea moths (family Pegasidae) are small fishes encased in bony plates. They have large, horizontal pectoral fins and a long, flattened rostrum. The mouth is tiny and located at the base of the rostrum. These bottom-fishes are welcomed by aquarists when they appear in the trade, but unfortunately this is not very often.

Sea Horses, Pipefishes, and Their Relatives (Plates 71-82)

The order Syngnathiformes contains half a dozen families of very interesting and very unusual fishes. The trumpetfishes (family Aulostomidae) are elongate, compressed fishes with 8-12 isolated dorsal fin spines and a short barbel at the tip of the lower jaw. They occur around reefs in tropical seas where they are often seen swimming close (almost touching) to a larger fish or orienting themselves with some gorgonians (sometimes even vertically). Most people believe that this is a ruse to make them less noticeable so they can more easily attack their prey (mostly small fishes). The cornetfishes (family Fistulariidae) occur in tropical and subtropical waters. They resemble the trumpetfishes but have no dorsal fin spines, no barbel on the lower jaw, shorter dorsal and anal fin bases, and possess an elongate filament extending from the middle of the caudal fin. They can reach a length of 1.8 m, about double that of the trumpetfishes.

The snipefishes (family Macrorhamphosidae) are deep-bodied and compressed, usually possessing bony plates on each side of the back. The second dorsal spine is very long, as is the snout in some species. Orientation in the water is usually vertical, with the head pointing downward. The tiny mouth is used for selecting small planktonic prey. The shrimpfishes (family Centriscidae) are almost entirely encased in thin bony plates. They are very compressed, with a sharp ventral edge, and are also commonly referred to as razorfishes. All the unpaired fins are at the extreme end of the body, and the tail is actually at an angle to the body. Small groups of these fishes can be seen swimming vertically in the water (head down) among the coral or even among the spines of long-spined sea urchins. It is amazing how fast these fishes move. The small, toothless mouth is used for snatching up small planktonic animals.

The ghost pipefishes (family Solenostomidae) are also tropical and have large stellate bony plates. The dorsal fins are separate, the first comparatively large. The pelvic fins are large and the snout and caudal fin are elongate, creating an unusual shape that seems to be the rule for members of this order. Only a single genus with five species is included in this family.

All of the above families contribute members to the aquarium trade, but not to the extent of the family Syngnathidae. This family contains the sea horses and pipefishes, almost any of which may be kept by home aquarists. Certainly any sea horse is welcomed and many pipefishes are quite colorful, creating a demand for them as well. The body is elongate and encased in a series of bony rings; there are no pelvic fins. In the sea horses the head is bent at an angle to the body and the tail (which lacks a caudal fin) is prehensile. Both groups have tiny mouths and pick small animals from the plankton. In captivity newly hatched brine

shrimp are excellent for the smaller species. Most species are found in shallow tropical waters, although there are representatives that range into temperate seas. The breeding habits are unusual in that the female will lay her eggs in a brood pouch located on the male's abdomen. Some species of pipefishes lack a true pouch and have the eggs attached to the abdomen open to the surrounding water. The young hatch inside the pouch and emerge as miniature adults. It is best to keep sea horses by themselves or wth similarly slow-moving fishes.

Some of the Australian forms (sea dragons, etc.) are quite bizarre in shape with numerous leafy appendages and/or gaudy coloration. These command a high price when they are available but usually are well worth it.

Flying Gurnards (Plate 83)

The flying gurnards (order Dactyliformes, family Dactylopteridae) have large bony heads and large wing-like pectoral fins with free inner rays. They are bottom-fishes that use their pelvic fins alternately to "walk" along the sandy substrate. With a few vibrations of the tail they can gain momentum so they can glide through the water with the pectoral fins outspread. The hyomandibular bone is also used to produce sounds. Young flying gurnards are sometimes kept by marine aquarists.

Scorpionfishes, Sea Robins, Sculpins, and Their Relatives (Plates 34, 83-114)

The Scorpaeniformes is a large order of fishes encompassing some twenty families and more than a thousand species. They are all characterized by a posterior extension of the third suborbital bone (suborbital stay) and are commonly called the mail-cheeked fishes. Many of the fishes are spiny, and often the spines have venom glands associated with them.

The scorpionfish or rockfish family (Scorpaenidae) is one of the largest families of this order with more than 300 species. The body is generally stocky and the head normally is supplied with ridges and spines. The dorsal, anal, and pelvic spines are usually supplied with venom glands. Fertilization is mostly internal. Among the unusual reproductive modes of these fishes are the production of a large gelatinous balloon bearing the eggs and the birth of living young. These bottom-living fishes are mostly found around reef or rocky areas in tropical to temperate waters. They are predators that lie in wait for their prey, pouncing on them with a swift motion combined with suction caused by the rapid opening of the large mouth. Although these fishes commonly are red or have a great deal of red color on them, many have patterns that effectively camouflage them against the substrate. This large family is divided into eight subfamilies in some classifications, while in others one or more of these groups are considered as full families. Among the more unusual are the Pteroidichthyinae, containing the genus Rhinopias, and the Tetraroginae with the genera Ablabys, Paracentropogon, Tetraroge, etc. The Sebastinae is one of the larger subfamilies, with one of its genera, Sebastes, having almost all of its 100 or so species occurring in the North Pacific, with California having a good representation of these. The Scorpaeninae is represented by the genera Scorpaena, Scorpaenodes, Pontinus, etc.

Of most interest to aquarists is the subfamily Pteroinae with Pterois and related genera. These turkeyfishes, lionfishes, zebrafishes, or whatever else they are known as in different areas are very attractive fishes with long filamentous extensions to the dorsal and pectoral fin rays and spines. The dorsal fin spines are still quite pungent and are provided with venom glands. The extent of the pain and suffering caused by a "sting" depends on the species involved, the amount of venom that gets into the bloodstream, the type of reaction a person has to the particular venom (similar to allergies to bee stings), and the type and speed of care given to the person who has come into contact with the spines. Treatment usually involves immersing the punctured foot or finger in water as hot as the person can stand. Severe reaction to a sting should be treated by a physician knowledgeable about such injuries. Most injuries occur when aquarists carelessy handle the fish (like trying to untangle one from a net) or when capturing the fish in the wild. Lionfishes are hardy and long-lived in captivity if provided with sufficient space and a variety of nutritious foods (small live fishes

for example).

The stonefishes (family Synanceiidae, subfamily Synanceiinae) are seen mainly in public aquariums where they are handled only by experts, for the neurotoxin they possess is among the most deadly and can cause fatalities in humans. They are not very attractive and, indeed, look very much like a stone. This camouflage aids in their prey capturing but also is dangerous to people because waders in shallow water not recognizing the fish for what it is might step on it. Among the other genera in the subfamily are *Erosa* and *Dampierosa*. Other subfamilies of the stonefish family include Choridactylinae (with *Inimicus* and *Choridactylus*) and Minoinae (with *Minous*).

The orbicular velvetfishes (family Caracanthidae) have an oval, extremely compressed body that is covered with small papillae. This gives them the velvety appearance and has lead to another common name that is quite descriptive—furry half dollars. These are attrac-

tive little fishes that only rarely are seen in the aquarium trade.

The velvetfishes (family Aploactinidae) are coastal fishes of the Indo-Pacific. The body is generally covered with modified prickly scales and the head is provided with knob-like lumps. The dorsal fin originates well forward.

The family Pataecidae is sometimes known as the prowfishes. Members of this exclusively Australian family are scaleless, but the body may have tubercles or papillae. The dorsal fin

originates far forward over the eyes.

The racehorses or pigfishes (family Congiopodidae) are Southern Hemisphere fishes without scales and with a reduced gill opening. A South African species has been reported to shed its skin, like reptiles. (This also has been reported for members of the family Scorpaenidae, among others). Few members of these last three families enter the aquarium trade.

The sea robins (family Triglidae) have a boxy bony head, separate dorsal fins, and two or three free lower pectoral fin rays that are used for detecting food. The remaining pectoral rays form a large wing-like fin (though not quite so large as in the flying gurnards). Sea robins also "walk" on the bottom with their pelvic fins. They inhabit tropical and temperate seas, most commonly in deep water. All are carnivorous and most produce sounds. Two subfamilies include the unarmored sea robins (Triglinae) and the armored sea robins (Peristediinae). Few sea robins are kept by aquarists.

The flatheads (family Platycephalidae) have an elongate, cylindrical body and a flat head. The mouth is large, able to engulf small fishes and invertebrates. Flatheads are mostly ma-

rine fishes (some are brackish) that occur in the Indo-Pacific.

The sablefishes (family Anoplopomatidae) occur in the cool waters of the North Pacific. There are two dorsal fins, and the head is not provided with ridges, spines, or papillae. Only two species are included in this family.

The greenlings (family Hexagrammidae) are also endemic to the North Pacific, where most occur close to shore and among the kelp and rocks. The head is provided with cirri only, and the dorsal fin is single but provided with a notch between the spines and soft rays. Sexual dichromatism is seen at least in some of the better known species.

Combfishes of the family Zaniolepidae have a single dorsal fin with a notch. They have earned their common name by the elongate anterior dorsal fin spines (the second spine very elongate in Zaniolepis latipinnis). The two species often are placed with the greenlings as a

subfamily.

There about 300 species of sculpins (family Cottidae) inhabiting marine (most species) and fresh waters of the Northern Hemisphere and New Zealand, with the greatest diversity in the North Pacific. The head is usually provided with spines and ridges, there are two dorsal fins, and the pectoral fins are usually very large, often wing-like. The eyes are large. Sculpins are bottom-fishes normally living close to shore, even entering tide-pools. There are some deep-water species as well. Most sculpins are carnivorous, preferring to remain in a camouflaged position until they can make a quick strike at some prey (small fishes and invertebrates). Although many have drab mottled coloration, some species are quite colorful (ex. Leiocottus hirundo). One of the most sought-after species of cottids for aquaria is the Grunt Sculpin (Rhamphocottus richardsoni). Not only is it very attractive, but it has an unusual shape. Unfortunately it is a cool-water species that cannot (or should not) be housed in a tropical reef tank.

The family Psychrolutidae has no common name and the species are commonly included with the Cottidae. Even so, these fishes are usually divided into two subfamilies, one with a rigid interorbital region and spiny heads and the other without head spines that because of

their general shape are generally referred to as tadpole sculpins.

Poachers (family Agonidae) are elongate armored fishes from the cold waters of the North Pacific, North Atlantic, and southern South America. The depth range is considerable, as they occur in tide-pools and to depths of 610 m. One or two dorsal fins may be present.

Lumpfishes and snailfishes (family Cyclopteridae) have pelvic fins (when present) modified into a thoracic sucking disc. Lumpfishes, as their name suggests, have a globose, flabby body commonly covered with bumps or tubercles. There may be two dorsal fins or a single one that is deeply notched. Cyclopterus lumpus is one of the largest and best known lumpfishes, attaining a length of about 30 cm. The females may lay 20,000 or more adhesive demersal (sinking) eggs that are guarded by the male. Snailfishes are more elongate, some species having their flabby body covered with prickles. The dorsal fin is low and single, sometimes confluent with the caudal fin. Snailfishes are generally small and range in color from shades of brown to pink and red. Some species are well patterned with spots, blotches, or stripes. The snailfishes are sometimes placed in their own family, the Liparididae.

THE ORDER PERCIFORMES

The order Perciformes contains about 150 families and more than 7,500 species (in both fresh and salt water) and is thus the largest and most diversified of any of the fish orders. The composition of this order will vary as controversial issues are settled and others arise. Among the largest families are the Cichlidae (fresh water), Gobiidae, Labridae, Serranidae, Blenniidae, Pomacentridae, and Apogonidae.

Snooks and Glassfishes (Plates 115, 254)

The snooks (family Centropomidae) have the lateral line extending onto the tail, two dorsal fins or a single one deeply divided, and a scaly process in the pelvic axis. They are marine to brackish or even freshwater fishes of tropical waters. Most are well respected game fishes. Snooks are predators with a diet including other fishes and crustaceans. Inshore waters (including estuaries and especially mangrove areas) are nurseries for the young of many species. Because development of these areas by man is destroying the habitat, snooks are becoming more and more threatened.

The glassfishes (family Ambassidae) are similar in general appearance to the snooks and are commonly included in the same family. They are small fishes that have become popular in the aquarium trade, particularly with the recent ability of Southeast Asian fish farmers to brighten them up by artificially adding fluorescent color to them. However, these colors are temporary and they soon return to the nearly transparent state that earned them their common name. Some workers do not accept Ambassis as a full genus and consider the proper family name to be Chandidae.

Groupers and Their Relatives (Plates 116-158)

The temperate basses (family Percichthyidae) occur in marine, brackish, and fresh waters in tropical and temperate regions of the world. They are very much like serranids and at one time were placed in that family. The opercle has two rounded spines, the caudal fin is usually forked, and the sexes are separate. Perhaps the best known member of the family is the Striped Bass (Morone saxatilis), a very valuable sport and commercial fish. These "stripers" move into fresh water to spawn, where large females may lay up to five million eggs. At an age of about two years the stripers move toward the sea. One of the largest members of the family is the Giant Sea Bass (Stereolepis gigas), which grows to more than 2 m in length and weighs a quarter ton.

Groupers and sea basses (family Serranidae) inhabit mostly marine waters in tropical and temperate regions. They have three opercular spines, the dorsal fin is single (sometimes notched), and the caudal fin is normally rounded to lunate. They are hermaphroditic with the two sexes not functioning simultaneously except in the genus *Serranus* and its immediate relatives. The 350 to 400 species are commonly divided into several subfamilies. Most of the species in the marine aquarium trade are brightly colored members of the subfamily Anthinae. These are commonly sexually dimorphic, with the males usually more brightly colored and usually with one or more elongate anterior dorsal fin spines. Juvenile groupers of the genus *Epinephelus* are also kept as they are hardy and feed well. Unfortunately, these soon do so well they outgrow even the largest aquaria. Other colorful species kept belong to the

genus Cephalopholis, the dominant hue being red, often with blue spots or markings. The hamlets, Hypoplectrus, (whether a single polymorphic species or ten different species) commonly appear in the trade and are synchronously hermaphroditic (both sexes not only occurring in the same fish at the same time but both being functional at the same time). Species of the genus Serranus and Liopropoma are also welcome aquarium inhabitants, and Cromileptes altivelis, known to aquarists as the Leopard Grouper, has become a common sight in home aquaria.

The soapfishes (family Grammistidae) are grouper-like fishes with the opercle having three distinct spines, the dorsal with 2-9 spines, and the anal fin with 0-3 short spines. The lower jaw generally projects and is provided with a short, fleshy appendage. Members of the Grammistinae (one of the two subfamilies) secrete a body mucus that can turn into a sudsy froth when the fish is agitated or attacked. This mucus contains the toxin grammistin. Besides Grammistes sexlineatus, an attractively striped species, aquarists also keep members of the genus Diploprion, Belonoperca chabanaudi, and occasionally a blue fish with a bright yellow stripe down its back, Aulacocephalus temmincki. Pogonoperca punctata is called the Butterfly Grouper in the trade because of its beautiful coloration. It changes patterns with growth, but all of these patterns are attractive. The second subfamily (Pseudogrammatinae) contains the genus Pseudogramma, among others.

The dottybacks belong to the family Pseudochromidae. The dorsal and anal fins contain 1-3 often inconspicuous spines, with the dorsal rays numbering 21-37. Most species are small and colorful and well represented in the aquarium trade. The large genus *Pseudochromis* contains about 40 species displaying colors such as solid magenta, magenta and yellow, blue and yellow, etc. Members of the closely related genus *Labracinus* are also kept.

The basslets (family Grammidae) have an interrupted lateral line or it may be absent entirely. There are 11-13 spines in the dorsal fin. Contained in this family is the extremely popular Royal Gramma, *Gramma loreto*. This purple and yellow fish hails from the western Atlantic along with a few closely related species. A couple of other members of the family occur in Australia, and one (known only from the holotype) is from Hawaii.

The roundheads (family Plesiopidae) have 11-15 spines in the dorsal fin and include such well known species as Calloplesiops altivelis (Comet Grouper) and Paraplesiops altivelis (Bluespotted Comet). Also included in this family are the lesser known genera Assessor and Trachinops.

Acanthoclinidae and Glaucosomatidae are small families (about five species each) of grouper-related fishes, the first very dottyback-like, the second more like serranids. Few if any of the species are kept by aquarists.

Grunters or Tigerperches and Aholeholes (Plates 159-161)

The grunters and tigerperches (family Teraponidae) inhabit coastal marine, brackish, and freshwater areas of the Indo-West Pacific. Most of the freshwater species occur in Australia. The opercle has two spines and the dorsal fin has a notch; the spinous dorsal fin is depressible into a sheath composed of scales. The species most commonly kept in aquaria is *Terapon jarbua* (Three-striped Tigerfish). It attains a length of about 30 cm. Incidentally, the correct spelling is now considered to be *Terapon*, not *Therapon*. The grunters and tigerfishes have specially adapted muscles associated with the swim bladder for sound production, hence the common name grunter.

The aholeholes (family Kuhliidae) are also marine, brackish, and freshwater fishes of the Indo-West Pacific. They also have a scaly sheath for the spiny portion of the notched dorsal fin but lack the specialized sound production mechanism of the teraponids. Of the two subfamilies contained in this family, the Nannopercinae includes brackish and freshwater fishes of southern Australia while the Kuhliinae includes the widely distributed genus Kuhlia. It is from this genus that aquarists obtain their specimens, particularly the Flagtail Aholehole, Kuhlia taeniura.

Bigeyes (Plates 161-162)

Bigeyes (family Priacanthidae) occur in tropical and subtropical waters in all oceans. The eyes are large, the dorsal fin is continuous, and the inner ray of the pelvic fin is connected

to the body by a membrane. The large eyes and dominant red color of these fishes indicate their preference for low light levels and, indeed, they are nocturnal and found in relatively deep water. The large mouth indicates their predatory nature. The favorite species of aquarists is the Deep Bigeye, *Pristigenys alta*, which, when young, is quite attractive.

Cardinalfishes (Plates 163-178, 254)

The cardinalfishes (family Apogonidae) have two separate dorsal fins, the anal fin has two spines, and the predominant color throughout the family is red, prompting the common name. Most are small reef dwellers, attaining lengths of 10 cm or less, from tropical and subtropical regions of the Atlantic, Pacific, and Indian Oceans. Most are relatively shallow-water species. Many cardinalfishes are mouthbrooders, with the male incubating the eggs in some species, the female in others, and in some instances the duties are shared. Some cardinalfishes enter into a symbiotic relationship with various invertebrates, primarily molluses but in some cases sponges as well, where they gain shelter. One cardinalfish is named the Conchfish (Astrapogon stellatus) due to its association with conch. Almost any of the cardinal-fishes can and do become aquarium residents, and of course the most colorful species are the ones most desired. One of particular popularity is the Pajama Cardinalfish (Sphaeramia nematoptera), which not only has an attractive pattern but also will remain out in the open tank, a feature not always present in the shy, nocturnal species. Of the almost 200 species in the family, most are included in the genus Apogon.

Tilefishes and Smelt-whitings (Plates 179-181, 429)

The smelt-whitings (family Sillaginidae) have an elongate body, two dorsal fins, and two spines in the anal fin. They inhabit marine and brackish waters of the Indo-Pacific. They are almost never kept by marine aquarists but occasionally are seen in public aquariums.

Tilefishes (family Malacanthidae) have a long, continuous dorsal fin and a relatively long anal fin. There is only one opercular spine. Occurring in tropical to temperate waters of the Atlantic, Pacific, and Indian Oceans, the tilefishes are strictly marine. Most of the aquarium species come from the subfamily Malacanthinae, which includes the genera Malacanthus and Hoplolatilus. Although members of both genera are kept in aquaria, those of Hoplolatilus are more commonly maintained. One of the best known species, the western Atlantic Tilefish (Lopholatilus chamaeleonticeps), supports a sizable commercial fishery and is the object of a sports fishery. They live in deep water (to 370 m deep) and fishermen usually have to travel a fair distance to reach an area where they can be caught. Tilefish are bottom-fishes feeding on crustaceans and fishes.

Jacks, Cobia, Remoras, Etc. (Plates 182-192, 194)

The Labracoglossidae has no common name for the five species (three genera) of this western and South Pacific family. They have a single dorsal fin and no canine teeth in the jaws. The false trevallies (family Lactariidae) from the Indo-Pacific have two dorsal fins, the soft-rayed portion of both dorsal and anal fins covered with scales. Two small canine teeth are present in each jaw. The single genus has up to two species. Neither of these families is commonly represented in the aquarium trade.

The bluefishes (family Pomatomidae) have two dorsal fins, the soft dorsal and anal fins covered with scales. The Bluefish (*Pomatomus saltatrix*) is quite famous as a sports fish. It is a schooling fish with the reputation of being vicious and bloodthirsty, killing just for the sake of killing. The schools of Bluefish trail schools of fishes such as herrings, menhadens, etc., charging into them violently enough to at times cause the water to boil with turbulence and usually killing more than they can consume. In the North Atlantic these schools migrate northward in the summer and southward when cooler temperatures arrive. Eggs are released into the water to develop as part of the plankton.

The Cobia (Rachycentrum canadum, family Rachycentridae) occurs in tropical waters around the world. It closely resembles the remoras, but instead of the sucking disc on top of

the head it has a normal dorsal fin of 6-9 short, free spines. It feeds on fishes and crustaceans near the bottom and has been given the common name Crab-eater in some locales.

The remoras (family Echeneididae) possess a sucking disc, a modification of the spinous dorsal fin that is used to attach themselves to larger fishes, turtles, or marine mammals. They thus hitch a ride and are able to feed off the scraps of their host's dinner. Suction is increased if the remora moves back "against the grain" of the laminae of the disc and released if the remora swims forward. This suction effect has been used to catch turtles. A remora is released into the water after a line has been attached to its tail. After a time the line and remora are hauled in with the remora hopefully attached to a turtle. The disc develops at an early age, for specimens as small as 2.5 cm or so have been found with fully formed discs.

The jacks and pompanos (family Carangidae) are generally streamlined, silvery, fast-moving fishes of temperate and tropical seas of the world. The body may be deep to fusiform, and there are usually two dorsal fins, the first with 3-9 sometimes very short, detached spines, and three anal spines, the first two usually detached from the rest of the fin. Commonly there are modified scales (scutes) along the posterior portion of the lateral line. The tail is forked and the caudal peduncle slender. A number of species are commonly in the aquarium trade and many more are normally present in public aquariums. One of the favorites is Gnathanodon speciosus with its golden color set off by black bars. Others include the deep-bodied members of the genera Alectis and Selene, some of which have long trailing filaments to the dorsal and anal fins. Naucrates ductor is called the Pilotfish as it is normally seen in company with large sharks — often swimming in the bow wave of the shark's snout. A number of carangids are also found under the bells of floating jellyfish, some of which possess tentacles armed with stinging nematocysts. Small carangids will also shelter next to floating debris and are able to travel across open pelagic waters in relative safety. Most carangids are considered sports fishes and anglers are usually provided with a good fight for their troubles. In addition, most species are good eating, the pompanos being exceptionally good eating and commanding considerably higher prices than most food fishes.

The Roosterfish (family Nematistiidae) is the only member of its family. Nematistius pectoralis occurs in the tropical eastern Pacific and is distinctive by having the seven spines of the first dorsal fin elongate and filamentous. When folded back they fit into a groove. The

Roosterfish is a good fighter and good to eat, thus making it a target for fishermen.

The dolphins (family Coryphaenidae) are more commonly being called dolphinfishes or even by the Hawaiian name mahimahis to help distinguish them from the porpoise-like mammals also called dolphins. The two species are very similar, with long, spineless dorsal and anal fins and a forked caudal fin. The males of the larger Dolphin (Coryphaena hippurus) develop a very high blunt forehead giving the fish a distinctive appearance. Mahimahis are excellent game fishes and excellent food fishes, so they are actively sought out by fishermen. They travel in small schools and once one is hooked others usually are also. Living fishes are quite beautiful, with blues, greens, and yellow predominating. Once landed, the fishes in their death throes change color, going through a rainbow of hues until they are dead and a dull silvery gray.

The family Apolectidae contains a single species, Apolectus niger, from the Indo-West Pacific. Formerly known under the name Formio niger (family Formionidae), individuals over 9.1 cm have no pelvic fins. The dorsal fin has 2-6 rudimentary spines and 41-46 rays. The scales are small and numerous, and a few enlarged scutes adorn the posterior end of the lateral line. Recently some authors have synonymized Apolectus with Parastromateus and have at the same time included the family Apolectidae in the Carangidae. It seems likely

that these steps will be accepted.

Moonfish and Slipmouths (Plate 193)

The Moonfish (Mene maculata, family Menidae) is very compressed with a sharp breast. The dorsal and anal fins are many-rayed (43-45 and 30-33 rays respectively) and have no spines.

Members of the family Leiognathidae are called by many names, the most common being ponyfishes, slipmouths, and slimys. They occur in marine and brackish waters of the Indo-West Pacific. The body is very compressed and the scales are small. The dorsal and anal fins are many-rayed, with spines, and fold back into scaly sheaths. Most species are small, the largest attaining a length of only a foot. They exude a slimy mucus when handled and the small mouths are highly protrusible, accounting for two of the common names. Although some of the species make interesting aquarium fishes, the basic silvery color places them low on the desirable list.

Pomfrets (Plate 194)

Pomfrets (family Bramidae) are oceanic fishes from tropical oceans. Deep-bodied and with a single dorsal fin, the pomfrets are divided into two subfamilies. The Braminae contains Brama, Taractes, etc., while the Pteraclinae contains the genera Pteraclis and Pterycombus. Although the latter species are quite attractive (silvery body and long black sail-like dorsal and anal fins), they are never available.

Australian Salmons (Plate 194)

The Australian salmons (family Arripidae) occur in southern Australia and New Zealand. Only a single genus and two species are known. They are not true salmons, but apparently arrived at the name through confusion of early settlers in Australia who likened them to the European salmon.

Rovers, Snappers, and Fusiliers (Plates 195-209)

Rovers (family Emmelichthyidae) are warm-water fishes of most oceans. The dorsal fin may be continuous with but a shallow notch, so it appears to be in two separate parts but with the gap filled with short spines. The two lobes of the forked caudal fin fold in scissor-like fashion.

The snappers (family Lutjanidae) are quite well known, and a number of the almost 200 species are commonly kept in aquarists' tanks. Certainly snappers are well represented in public aquariums. The dorsal fin is continuous (some have a shallow notch), and most species have characteristic enlarged canine teeth on the jaws. They are important food fishes, and anglers consider some of them prize catches. Most are bottom-dwelling schooling fishes feeding on small fishes and invertebrates. The largest genus, Lutjanus, contains many species that are welcome in aquarists' tanks, especially the more colorful ones like the bright yellow species with blue stripes (mostly Lutjanus kasmira but others as well) and many juveniles. Lutjanus sebae has always been an aquarium favorite, as has the black and white patterned juvenile of Macolor niger. Although not common, juveniles of Symphorus nematophorus have filamentous dorsal fin rays and often are kept. The Yellowtail Snapper (Ocyurus chrysurus) has a yellow stripe that extends from the snout backward to include the entire tail. It differs behaviorally from other snappers by occurring solitarily and swimming higher in the water column.

Fusiliers (family Caesionidae) occur in the warm waters of the Indo-West Pacific. They are streamlined fishes with a deeply forked caudal fin and a small mouth. They are planktivorous (feeding on small drifting organisms) and commonly are seen in large schools over the reef. Only an occasional fusilier is seen in marine hobbyists' tanks, but they are more common in public aquariums.

Tripletails (Plate 209)

Tripletails (family Lobotidae) occur in marine, brackish, and fresh waters of tropical seas. The name does not imply that they have three tails, but the posterior edges of the dorsal and anal fins plus the true tail give that appearance. Two genera are included in this family, the freshwater and brackish *Datnioides* that freshwater aquarists should know, and the marine *Lobotes*, the true Tripletail. Juvenile *Lobotes* are very good at pretending to be dead leaves or other floating material along the shoreline. They lie on their side and float among the debris until prey animals are encountered. Juveniles are mottled brown or dark brownish black, aiding in the illusion. These small fish are occasionally in the trade.

Mojarras (Plates 210, 211)

Mojarras (family Gerreidae) occur in marine, brackish, and even some fresh waters in tropical and subtropical seas, the majority in American waters. They inhabit sandy shore areas. These relatively small (most less than 25 cm), silvery fishes have a highly protrusible mouth and sheaths that accept the dorsal and anal fins. The caudal fin is forked. The basic silver of these fishes may be complemented by dark markings and, in some species, yellow fins. Nevertheless, they are only occasionally present in the aquarium trade.

Grunts, Porgies, and Their Relatives (Plates 212-242, 245)

The grunts (family Haemulidae) inhabit tropical and subtropical waters around the world, usually close to the bottom in reefy areas. Although most are strictly marine, some species occur in brackish water. The dorsal fin is continuous and the small mouth is normally provided with cardiform teeth. Two subfamilies are commonly employed, the Haemulinae (the true grunts) and Plectorhynchinae, the latter subfamily (common name sweetlips because of the thick, fleshy lips) sometimes being raised to family status. Grunts are predominantly an Atlantic group while sweetlips are more Indo-Pacific. The grunts get their name because of the grunting noise they make by grinding their pharyngeal teeth together and amplifying the sound with the swim bladder. They commonly school and may be seen on the reef in company with large schools of snappers. Juvenile Atlantic grunts are only occasionally offered for sale to hobbyists, but sweetlips are almost always available. Young sweetlips are usually brightly colored, and very small individuals move with a sort of sinuous motion. The most popular aquarium species are *Plectornchus chaetodonoides* (Clown Sweetlips) and *P. orientalis* in the Plectorhynchinae and *Anisotremus virginicus* (Porkfish) in the Haemulinae. This large family includes about 175 species.

The bonnetmouths (family Inermiidae) have the dorsal fin divided by a deep notch and the caudal fin is forked. The upper jaw is highly protrusible. Bonnetmouths are planktivorous, feeding on the small drifting organisms of the plankton. Only two monotypic genera are included.

Porgies (family Sparidae) are marine (rarely brackish or freshwater) fishes of tropical to occasionally temperate waters, the greatest proportion of the 100 or so species occurring in the Atlantic. They resemble grunts in having a continuous dorsal fin, but the maxilla is covered by a sheath when the mouth is closed. Habitats include reefs and rocky and sandy areas. Like the grunts, the porgies commonly aggregate into schools. Food items are varied in these omnivorous fishes, some species crushing molluscs with molar-like teeth. Few of the porgies are in the aquarium trade. They are mostly caught as food fishes both commercially and by sport fishermen.

The emperors (family Lethrinidae) inhabit coastal waters of the Indo-West Pacific and West Africa. They have a continuous dorsal fin and the eyes (at least in *Lethrinus*) are commonly set high on the head, the resulting elongate snout being used to dig into the sand for small invertebrates (sort of marine *Geophagus*). These are common food fishes that rarely are seen in the aquarium trade.

The threadfin breams (family Nemipteridae) are closely related to the emperors. They have a continuous dorsal fin and the caudal fin may have a filament extending from the upper lobe. Most of the three dozen species are quite colorful, with species of *Scolopsis* and *Pentapodus* appearing regularly in the hobby. The third genus of the family, *Nemipterus*, contains delicately colored species, but for some reason they do not enter the marine aquarium trade.

Drums and Croakers (Plates 242-244)

There are over 200 species of drums and croakers included in the family Sciaenidae that inhabit marine, brackish, and fresh waters of the tropical to temperate zones of the world. The largest number of freshwater drums occur in South America. The dorsal fin is long and has a deep notch between the spinous and soft portions. The lateral line scales extend to the end of the caudal fin, and some species possess a barbel or barbels on the chin. Most drums

are found in shallow inshore waters over sandy bottoms. The common names are derived from their ability to make sounds using muscular contractions amplified by the swim bladder. Included in this family are such well known food and sports fishes as the weakfishes, Spotted Sea Trout, White Seabass, kingfishes, Corbina, and Black Drum. Aquarists keep the young of the genus *Equetus*, which often have the first dorsal and pelvic fins greatly elongated. These are the high-hats, cubbyus, and jackknife-fishes.

Goatfishes (Plates 245-251)

Goatfishes (family Mullidae) are so-called because of their two long chin barbels that are used in detecting food as they move over the bottom substrate. They also have two widely separated dorsal fins and a forked tail. The dominant color is red with yellow, white, and black often providing contrast in various patterns. Goatfishes inhabit tropical seas usually near reefs, where they feed on the associated crustaceans and other invertebrates. They are important food fishes occurring occasionally in moderately large schools. Aquarists keep goatfishes not only for their coloration but also as a means of having the food on the bottom removed, much as do the catfishes in freshwater aquaria. The drawback is that they are so vigorous that at times the bottom is stirred up, causing a cloudy tank.

Moonfishes (Plate 252, 344)

Moonfishes (family Monodactylidae) are marine and brackish water fishes (although they can exist in pure fresh water if necessary) from the Indo-West Pacific and West African coasts. The body is very deep and compressed, and the dorsal and anal fins are long-based and continuous, with graduated spines. These fins are covered with scales. The Common Moonfish (Monodactylus argenteus) is prized by both freshwater and marine aquarists, though most specimens are kept in brackish water with scats and other similar fishes.

Sweepers (Plates 252-254)

Sweepers (family Pempherididae) are marine and brackish water fishes inhabiting the Indo-Pacific and the western Atlantic. The body is deep and compresed, and there is a single short-based dorsal fin and a long-based anal fin. These fishes normally are seen in large schools around reefs, commonly seeking shelter in caves or among the spines of sea urchins along with cardinalfishes and other small fishes. A few of the species are provided with luminescent organs. Sweepers are not usually seen in the aquarium trade.

Butterflyfishes, Angelfishes, and Their Allies (Plates 255-296)

Sea chubs (family Kyphosidae) are marine fishes of tropical to temperate waters of the Atlantic, Pacific, and Indian Oceans. Most are compressed fishes with small mouths. The family is currently divided into three subfamilies, the Girellinae (nibblers), Kyphosinae (rudderfishes), and Scorpidinae (halfmoons). The halfmoons are commonly placed in their own family. The rudderfishes obtained their common name through their habit of following ships at sea. The nibblers are inshore fishes perhaps most commonly known through one of our West Coast species, the Opaleye (Girella nigricans). The halfmoons contain some popular aquarium fishes, especially the Stripey (Microcanthus strigatus) and the Moonlighter (Tilodon sexfasciatus, formerly Vinculum sexfasciatum). Some of the Australian species are quite colorful but have not appeared very often in the aquarium trade.

Spadefishes (family Ephippididae) have a deep, laterally compressed body and a small mouth. The dorsal fin is continuous in *Platax* but notched between the spinous and soft-rayed portions in the other genera. They occur in tropical and subtropical oceans mostly around reefs. Young spadefishes commonly occur in inshore waters among the mangroves.

Young Chaetodipterus, for example, are great mimics of dead leaves floating along the shore. Although most ephippids grow quite large with respect to home aquaria, several species are commonly maintained. Species of batfishes (Platax) are the favorites and are almost always available. The three most common batfishes kept (as juveniles) range from easy to keep but not especially colorful (Platax orbicularis) to fairly difficult to maintain but quite pretty (P. pinnatus).

Scats (family Scatophagidae) inhabit marine and brackish inshore waters in tropical regions of the Indo-West Pacific. The body is deep and compressed and the dorsal fin is deeply notched; there are four anal fin spines. It has been reported that a toxin is associated with the spines of the dorsal fin, so these fishes should be handled with care. All scats, when available, are suitable fishes for the aquarium although Scatophagus argus is by far the most common species available. Most aquarists house them in brackish water tanks as these are most suitable for the young. Larger individuals do better in more marine environments and are seen in harbors feeding on excrement and other refuse from the ships that dock there,

earning them the rather unflattering common name dung eaters.

The butterflyfishes (family Chaetodontidae) are tropical marine fishes mostly found in reef situations. They are compressed and deep-bodied bodied with attractive colors and patterns. The dorsal fin is continuous, and a number of species have the snout produced to a greater or lesser extent. Common elements of the color pattern may include an eyeband and a false eyespot in the soft portion of the dorsal fin. A larval stage called the tholichthys is present. Butterflyfishes are among the most popular of aquarium fishes, and many species are always available where marine fishes are sold. Longevity in aquaria, however, is dependent almost entirely upon the species as some are very specific in their dietary requirements (needing live coral, for example) while others are omnivorous and will accept a variety of foods.

Angelfishes (family Pomacanthidae) inhabit tropical marine waters of the world, usually around reefs. The body is commonly deep and compressed, the dorsal fin is continuous, the soft portion often provided with a filament, and there is a characteristic spine at the angle of the preopercular bone. Most species are very colorful, some undergoing vast changes from juvenile to adult patterns and thereby confusing early workers in the group. Like butterflyfishes, they are extremely popular with marine aquarists and almost every species is a potential aquarium inhabitant. But also like butterflyfishes, certain angelfishes are more difficult to keep than others, mostly due to the inability of the aquarist to provide proper nourishment. The pygmy angelfishes of the genus Centropyge are best suited for home aquaria, while members of the genus Pomacanthus are best kept only when young as they grow quite large. The adults make excellent displays in public aquariums.

The Oldwife, Enoplosus armatus (family Enoplosidae), is a southern Australian species that is compressed and deep-bodied with a deeply notched dorsal fin, both portions being somewhat extended. It makes an excellent aquarium fish when available (which isn't very often).

The armorheads (family Pentacerotidae) are deep- to very deep-bodied, compressed fishes with the head usually encased in exposed, rough, striated bone. They occur in the Indo-Pacific and southwestern Atlantic oceans. They are rarely available to home aquarists and only occasionally may be seen in public aquariums.

Knifejaws (Plate 297)

Knifejaws (family Oplegnathidae) are so-called because of the parrot-like beak of fused teeth with which they are capable of crushing molluscs and crustaceans. The spinous dorsal fin is continuous, and the scales are small (in the parrotfishes, the other major family with fused teeth, the scales are large). Knifejaws are marine fishes with an unusual distribution — Japan, southern Australia, Peru and the Galapagos, and South Africa. A single genus with half a dozen species comprises the family.

Surfperches (Plates 297-298)

The surfperches (family Embiotocidae) are marine fishes (with one exception, Hysterocarpus traski) inhabiting the coastal areas of the North Pacific. The dorsal fin is continuous and the scales are relatively small (35-75 in the lateral line). Surfperches are viviparous, giving birth to living young. The male impregnates the female by use of thickened anterior rays of the anal fin. Few surfperches are kept by marine aquarists except perhaps on a local basis in California, where they are common. One of the drawbacks is their need for cooler temperatures. Surfperches are normally present in West Coast public aquariums.

Damselfishes and Clownfishes (Plates 299-336)

Damselfishes and clownfishes or anemonefishes (family Pomacentridae) are mostly marine fishes from shallow tropical waters around the world. The nostril is single in most species and the mouth is small. The dorsal fin is continuous (somewhat notched in some anemonefishes) and the anal fin has two spines instead of the usual three of perciform fishes. Most species are small (usually less than 15 cm) and colorful (at least in the younger stages) with an aggressive, territorial nature. All these attributes endear them to marine aquarists, many of whom started in the hobby by keeping one or more species of damselfish or anemonefish. The anemonefishes (Amphiprion and Premnas) stand out from the rest of the family not only by their general appearance (most are white and orange or orange-red in color) but by their association with anemones. These fishes live unharmed among the stinging tentacles of anemones, thus receiving protection for themselves and their eggs. They are colorful fishes that beginners are able to keep for relatively long periods of time. Humbugs (members of the genus Dascullus) have attractive black and white color patterns and are also quite popular with aquarists. Some species also are able to have a commensal association with anemones, but most simply shelter among the sharp branches of living coral. Of the rest of the family, almost any species would fare well in aquaria. Several favorites have emerged such as the Garibaldi (Hypsypops rubicunda), the Beaugregory (Stegastes leucostictus), the Jewelfish (Microspathodon chrysurus), and the Blue Devil (Chrysiptera cyaneus).

Hawkfishes and Their Relatives (Plates 337-344)

Hawkfishes (family Cirrhitidae) occur in tropical regions of the world (although most are Indo-Pacific), usually in coral reef or rocky areas. They are usually small fishes with pleasing patterns, with reds predominating. The dorsal fin is continuous, and there sometimes are cirri on the interspinous membrane. The pectoral fins are large, the lower rays thickened and sometimes extended as sensory feelers. The name hawkfishes is derived from their habit of "perching" on the highest point of a coral head waiting for prey much as a hawk would do. Most common hawkfishes are kept by marine aquarists.

Kelpfishes (family Chironemidae) are marine fishes from the coastal waters of Australia and New Zealand. Only two genera with about four species are included in the family. The family Aplodactylidae (no common name) has three genera with five species. These fishes are coastal marine fishes with a disjunct distribution, southern Australia, New Zealand, Peru, and Chile. Both these families are similar in general aspect to the morwongs.

Morwongs (family Cheilodactylidae) are marine fishes of both the Southern Hemisphere (all oceans) and Northern Hemisphere (China, Japan, and the Hawaiian Islands). The dorsal fin is continuous but may be notched, and the lower four to seven pectoral fin rays are generally thickened, elongated, and detached in adults. The generic name Cheilodactylus is currently preferred to Goniistius. Morwongs are only occasionally seen in the aquarium hobby.

Trumpeters (family Latrididae) are similar fishes from the coastal areas of southern Australia, New Zealand, and Chile. There are three genera with a total of about 10 species.

Bandfishes and Owstoniids (Plate 345)

The family Owstoniidae is a small one of about a dozen species. The body is elongate and compressed, the dorsal fin continuous, and the caudal fin somewhat elongate but not connected to the other vertical fins. The lateral line runs along the base of the dorsal fin. Bandfishes (family Cepolidae) are marine fishes of the eastern Atlantic and Indo-West Pacific. The body is elongate and tapers to the tail. The many-rayed dorsal and anal fins are connected with the caudal fin and are without spines. The predominant color in both families is red or pinkish. None of the seven species are regularly available to the marine aquarist, and it is even unusual to see one displayed at public aquariums.

Mullets, Barracudas, and Threadfins (Plates 345–347)

The mullets (family Mugilidae) occur in all temperate and tropical seas in coastal marine and brackish waters. There are two separate dorsal fins, and the pelvic fins are subabdominal. The stomach is thick-walled and muscular and the intestine is very long. These are schooling fishes commonly found near the surface, and they are prone to leaping from the water only to fall back with an audible splat. Mud is picked up from the bottom and strained

by the elongate gill rakers. Mullets are not usually considered for home aquaria.

Barracudas (family Sphyraenidae) are elongate streamlined fishes with two widely separated dorsal fins. The lower jaw is projecting, and the mouth is provided with large, fanglike teeth earning these species a reputation of being ferocious predators that will even attack man. This reputation is enhanced by their habit of following swimmers and boats, perhaps attracted by the commotion and expecting to find something to eat. Most (but not all) reports of attacks on man by barracudas are untrue or greatly exaggerated. Barracudas are attracted by shining objects (like silvery bait fishes) and may inadvertently snap at a finger with a shiny ring on it if it is dangled from a boat in water of low visibility. Although most barracudas are relatively small, the great barracuda (Sphyraena barracuda) may attain a length of more than 1.8 m. Barracudas are kept by some marine aquarists as novelties and every public aquarium has a complement of them, especially if there is a large reef tank.

Threadfins (family Polynemidae) occur in marine and brackish waters of all tropical and subtropical areas. They have two separate dorsal fins, a subterminal mouth, and pectoral fins that are divided into two sections, the lower portion normally with 3-7 unattached, elon-

gate rays that are use for detecting food.

Wrasses, Parrotfishes, and Odacids (Plates 348–415)

The wrasses (family Labridae) are a highly diversified group of fishes found primarily in the warm tropical seas of the world. With some 500 species in about 57 genera, they run the gamut from deep-bodied and compressed to nearly terete, from species a few centimeters long to giants up to 3 m or more, and from drab colorless species to very gaudy fishes with a rainbow of colors. The mouth is protractile, the teeth are separate, some projecting outward, and the lips in some species are thick and blubbery. The dorsal fin is continuous, the soft rays of some species with long filaments. Behavioral patterns are often quite interesting. Many wrasses are parasite pickers (feeding on the ectoparasites of larger fishes) as juveniles, while members of one genus (Labroides) do it as a full-time job. Some wrasses dive into the sand to escape predators, and a number of species sleep under the sand at night. Still others build a cocoon around themselves for sleeping much as do some parrotfishes. The coloration of the wrasses is usually quite spectacular, endearing them to marine aquarists, and commonly changes from juvenile to adult. This change may be toward a less colorful adult but also may be from one gaudy pattern to another. For example, the Clown Wrasse (Coris gaimard) is bright orange with black-edged white markings. The adult is covered (particularly posteriorly) with brilliant blue spots. Sexual dichromatism is very common in the family, and this may reflect the two distinct spawning methods that may be present in the same species — a male-female one-on-one situation and group spawning. The single spawning male normally has a completely different livery. Many wrasses swim primarily by movement of their pectoral fins, giving them an odd sort of swimming motion. Many wrasses are in the aquarium trade.

The odacids (family Odacidae) are sometimes called weed whitings and have individual common names such as Herring Cale, Rainbowfish, and Tubemouth. The mouth is not protractile. The teeth in the jaws are fused into a parrot-like beak. The dorsal fin is continuous. Six genera with about a dozen species occur in the coastal marine waters of southern Australia and New Zealand. Mostly because of the long shipping distance and the cool water

required, these fishes are not usually seen in the aquarium trade.

The parrotfishes (family Scaridae) are marine fishes of primarily tropical waters. The teeth are coalesced into a parrot-like beak (hence their common name) and the mouth is not protractile. The dorsal fin is continuous. There are about 75 species, but the exact number is not known because of confusion in parrotfish systematics. This is caused in large part by coloration changes from juvenile to adult, great coloration differences between the sexes, and by the very similar meristics of most of the species. Parrotfishes are herbivorous, commonly nibbling at living or dead coral to fed on the algae that is growing just below the surface layers or in the polyps themselves. Many are schooling fishes moving over the reef and stopping to graze as a unit as they go. Substantial amounts of calcareous material are ingested with the algae, broken down, and excreted back into the reef. Parrotfishes are thus considered one of the major factors in sediment production on the reef.

Eelpouts, Pricklebacks, and Their Relatives (Plates 416-417)

Ronquils (family Bathymasteridae) are marine coastal fishes of the North Pacific. The dorsal fin is continuous and the large pectoral fins have a vertical base. Only three genera with seven species are included in this family. Normally these fishes are not seen in the aquarium trade.

Eelpouts (family Zoarcidae) are marine fishes of the cold waters of the Arctic and Antarctic. They have an elongate, tapering body with the long-based dorsal and anal fins confluent with the caudal fin. Pelvic fins are often lacking and when present are reduced and located far forward. Some members of the family are viviparous. Few aquarists can provide the cold water they need, although public aquariums on the West Coast of the U.S. usually have several representatives of this family on display. It is a fairly large family of 40 genera and 150 species.

Pricklebacks (family Stichaeidae) are marine fishes primarily of the North Pacific (plus a few in the North Atlantic). The dorsal and anal fins are long-based, the dorsal entirely spinous in most species (hence the common name). Among the better known species are the Monkeyface Prickleback (Cebidichthys violaceous) and Decorated Warbonnet (Chirolophis polyactocephalus) of the Pacific, and the Longsnout Prickleback (Lumpenella longirostris) of the Atlantic.

Gunnels (family Pholididae) are also marine fishes occurring in the shallow waters of the North Pacific and North Atlantic. The dorsal fin is about twice as long as the anal, with up to 100 spines. The pectoral fins may be absent, rudimentary, or small, while the pelvic fins may be rudimentary or absent. *Pholis gunnellus* is a representative species. The spawners take turns guarding the eggs, which are rolled into a ball by the curled bodies of the parents.

Wolffishes (family Anarhichadidae) are marine fishes of the North Atlantic and North Pacific. The dorsal fin contains only spines, the pectoral fins are large, and the pelvic fins are absent. The powerful jaws typically are provided with large molariform teeth for use in crushing the shells of molluscs and crustaceans and with large canine teeth, making them dangerous to handle. Only two genera with a total of seven species are included.

Jawfishes, Stargazers, Sandperches, and Their Relatives (Plates 418–424)

Jawfishes (family Opistognathidae) inhabit tropical and subtropical waters. The dorsal and anal fins are long-based and continuous, and the lateral line is high on the body. The mouth is large and is used to excavate the burrows and to incubate the eggs (males are the oral incubators in this family). Most of the species are no larger than 15 cm in length. Some species of jawfishes are found in the aquarium trade, particularly the Yellowhead Jawfish (Opistognathus aurifrons) of the tropical western Atlantic. Aquarists must remember that a deep substrate is required for their well-being as they must be able to construct their burrows.

Eelblennies (family Congrogadidae) occur in the Indo-Pacific region. The body is elongate with long-based dorsal and anal fins confluent with the caudal fin. The pelvic fins may be present and located well forward (jugular) or absent. Eelblennies occur on mud and gravel bottoms and on coral reefs.

Only one genus with two species makes up the family Notograptidae of southern New Guinea and northern Australia. The body is elongate (eel-like) with long-based dorsal and anal fins that are confluent with the caudal fin. The pectoral fins are well developed, but the pelvics are reduced to a small spine and two rays. A mental barbel is present.

A single species, *Pholidichthys leucotaenia*, the Convict Blenny, comprises the family Pholidichthyidae. It occurs from the southwesternmost Philippines to the Solomon Islands. The body is eel-like, and the long-based dorsal and anal fins are confluent with the caudal fin.

Pectoral and pelvic fins are present, the latter with a slender spine and 2-3 soft rays. This

species occasionally appears in the aquarium trade.

Sandfishes (family Trichodontidae) are marine fishes of the North Pacific. There are two dorsal fins and the pectoral fins are quite large. The mouth opens almost vertically and the lips are fringed. The two species of this family normally lie in wait for passing food while partially buried in the sand.

Weeverfishes (family Trachinidae) occur mostly in the Mediterranean but also in other parts of the eastern Atlantic, the Black Sea, and off Chile. There are two dorsal fins, the second dorsal and anal fins being long-based. Like the sandfishes, the weevers will lie on the bottom partially buried in the sand. They are dangerous because they are virtually invisible and thus are likely to be stepped upon, and there are venom glands associated with the

spines of the first dorsal and the gill cover.

Stargazers (family Uranoscopidae) occur in temperate to tropical oceans. The mouth is nearly vertical and the lips are fringed. The eyes are dorsal or close to it, earning them their common name. There are two dorsal fins or the first may be absent; the second dorsal and anal have moderately long bases. Like the weeverfishes there are venom glands but these are associated with two large grooved spines just above the pectoral fins. Some stargazers also can produce an electrical shock of 50 volts or more. These fishes lie buried in the sand with just the anterior part of the head exposed. The mouth when opened reveals a worm-like filament on its floor used to entice prey.

Sanddivers (family Trichonotidae) occur in warm marine waters of the Indo-West Pacific. The dorsal and anal fins are long-based with the anterior rays of the dorsal fin often pro-

longed and filamentous.

The sandburrowers (family Creediidae) also occur in the warm to temperate waters of the Indo-West Pacific. The dorsal fin is continuous and the dorsal and anal fins are long-based. The fleshy snout projects beyond the lower jaw, which is bordered by a row of cirri.

Three species included in two genera comprise the family Leptoscopidae. The mouth is moderately oblique and the lips are fringed. The dorsal and anal fins are long-based and the eyes are dorsal in position like the stargazers. These fishes occur around Australia and New Zealand.

The sandperches (family Mugiloididae) occur on the Atlantic coasts of South America and Africa and throughout the Indo-Pacific. The dorsal fin is long-based, preceded by about four or five short spines that may or may not be separated from the soft rays by a notch. The pelvic fins are below and just anterior to the pectorals and are used to prop up the anterior end of the fish as it sits on the sand substrate. Of all the families of fishes discussed together here, the sandperches are the most likely to be seen in the aquarium trade.

Blennies and Their Relatives (Plates 425-452)

People generally speak of blennies as if they were all included in a single family. The truth is that the suborder Blennioidei is composed of six families at present with some 675 species in about 127 genera. They are generally small, benthic fishes that often have cirri on their head. Many species are in the marine aquarium trade.

The triplefin blennies (family Tripterygiidae) are primarily tropical marine fishes of all oceans. The dorsal fin is divided into three distinct segments, the first two composed of spines, the third of soft rays. The pelvics are reduced and jugular in position, and there are no cirri on the nape. This family includes somewhat over 100 species in such genera as Trip-

terygion and Enneanectes.

The sand stargazers (family Dactyloscopidae) are warm temperate to tropical fishes from North and South America. The dorsal fin is continuous or divided and the jugular pelvic fins have a spine and three soft rays. The very oblique mouth usually has fringed lips, and the upper edge of the gill cover has finger-like elements. Sand stargazers commonly bury themselves in the sand bottom, breathing by means of a specialized branchiostegal pump.

Members of the family Labrisomidae (no common name as yet) are mostly tropical marine fishes from the Atlantic and Pacific Oceans. The dorsal fin is continuous (but with the rays longer than the spines) and has more spines than soft rays. Cirri are often present on the nape, nostrils, and above the eyes. Sixteen genera are included containing 100 or more species. Only Xenomedea and some Starksia are viviparous.

The clinid blennies (family Clinidae) also have a continuous dorsal fin with more spines than soft rays, with all the rays being simple. Like the previous families of the suborder,

scales are present. About 75 species in 20 genera are divided into three tribes. The Ophiclinini from southern Australia are eel-shaped with a continuous dorsal fin that is united with
the caudal fin as is the anal fin. They have many more spines than rays (36-84 and 1-4 respectively). They are mostly ovoviviparous, the males having an intromittent organ. The Myxodini
are from temperate waters of the Western Hemisphere and the Mediterranean Sea. The continuous dorsal fin does not have the anterior few spines separated by a notch, and the anal
fin is not attached to the caudal. Orbital and nasal cirri are present. The species are oviparous, the males lacking an intromittent organ. The Clinini are widespread mainly in the temperate Indo-West Pacific. The dorsal fin is continuous, but the anterior three spines are usually longer than the rest and separated from them by a small notch. The anal fin is rarely
attached to the caudal. The species are ovoviviparous, the males having an intromittent
organ.

Members of the family Chaenopsidae are commonly referred to by several common names, including pikeblennies, tubeblennies, and flagblennies. The body is naked (scaleless) and the dorsal fin is continuous (although some species have the anterior portion of the spinous dorsal fin much higher than the remainder of the fin). The dorsal and/or the anal fin may be united with the caudal, or all may be separate. The head is generally spiny or rough, and orbital and/or nasal cirri may be present or absent. These blennies are commonly known for their fierce territorial defense, displays with flag-like dorsal fins; at least one species has been shown to enter a symbiotic relationship with a stony coral.

The combtooth blennies (family Blenniidae) are what most people regard as "blennies." They are mostly marine (a few are brackish or freshwater species) fishes from tropical and subtropical waters around the world. They are naked or with modified scales. The dorsal fin is continuous, and the jaws are provided with comb-like teeth. About 300 species are divided into five tribes. The Salariini are mostly from the Indo-West Pacific. The caudal fin rays may or may not be branched. Some species are able to remain out of the water for considerable periods of time. About half the species of the Blenniidae are in the Salariini, including genera such as Ecsenius, Istiblennius, Salarius, Entomacrodus, etc. The Blenniini are mostly marine, and their caudal rays are branched. The 70 species are divided among fifteen genera, including Blennius, Scartella, and Hypsoblennius. The Omobranchini are also mostly marine, but their caudal fin rays are not branched. About 30 species are in this tribe. Phenablenniini includes the freshwater and brackish water Phenablennius heyligeri from Cambodia to Borneo. All the fin rays are unbranched. The tribe Nemophini includes the saber-toothed blennies. These occur in the Indian and Pacific Oceans, with one species, Meiacanthus anema, from brackish and fresh water. All fin rays are unbranched. These blennies are known for their more open-water existence and the habit of some of the species of mimicking more harmless fishes (such as cleaner wrasses) so that they can approach wary fishes that they then attack.

Dragonets (Plates 453-456)

Dragonets (family Callionymidae) are marine benthic fishes from tropical waters around the world, although most occur in the Indo-West Pacific. There are two dorsal fins, the first usually composed of four spines. The mouth is generally small, the lips large, and the gill openings are reduced to a small aperture dorsally. The preoperculum is provided with a strong spine that commonly becomes entangled in nets. About 130 species are included in this family. Some of the species are regularly maintained in home aquaria, especially members of the genus *Synchiropus*. Sexual dimorphism in the form of the size and shape of the spinous dorsal fin and coloration is present.

Gobies and Their Relatives (Plates 429, 457-495)

Seven families make up the suborder Gobioidei. These encompass some 263 genera that include almost 2,000 species, making it one of the most speciose groups of fishes. Some workers are of the opinion that the gobies should have full ordinal status; others relegate some of the families to subfamilies of the family Gobiidae. These are benthic fishes that usually are quite small, although some species reach 30 cm in length.

The sleepers (family Eleotrididae) are gobies of marine, brackish, and fresh waters of most

tropical and subtropical areas. The pelvic fins are separate and do not form a sucking disc. However, the bases of these fins may be united and the variation in degree of fusion encountered leaves a question as to the advisability of keeping the sleepers separate from the "true" gobies. This discussion will probably go on for some time. There are two dorsal fins, the first with up to 8 spines. The mouth is never inferior in position. Only about 150 species are included in this family, including such genera as *Dormitator* and *Eleotris*. Some species are kept in captivity, although most are not very colorful.

The true gobies (family Gobiidae) are tropical to subtropical fishes of marine, fresh, and brackish waters around the world. The pelvic fins are united, forming a sucking disc. There are two separate dorsal fins, the first composed of up to 8 flexible spines. About 1,500 species in 200 genera make this the most speciose family of marine fishes. Most species are less than 10 cm long, although some may grow to 50 cm. Gobies have insinuated themselves into many different niches and may be seen in virtually every habitat. Some are able to live for extended periods out of water, returning only to wet down their gill chambers. Others are parasite-pickers, the most well-known of these being the Neon Goby, Gobiosoma oceanops. Still others have developed symbiotic relationships with various invertebrate animals, among which are sponges, corals, sea urchins, and of course the burrowing shrimp. Coloration ranges from drab, cryptic patterns to brilliant, almost unbelievable colors such as the red-orange and electric blue Catalina Goby, Lythrypnus dalli, from our West Coast and members of the genera Nemateleotris and Ptereleotris from the Indo-Pacific.

The eel-like gobies (family Gobioididae) occur in marine, fresh, and brackish waters of the Indo-Pacific, tropical America, and the tropical West African coast. The body is eel-like, the dorsal and anal fins confluent or nearly so with the caudal. The pelvic fins usually form an adhesive disc.

The burrowing gobies (family Trypauchenidae) are marine, brackish, and freshwater fishes from the Indo-Pacific region. They have an eel-like body with the continuous dorsal and anal fins confluent or nearly so with the caudal. The pelvic fins usually form an adhesive disc. The eyes are very small. These shallow-water gobies burrow into the soft muddy substrate.

The wormfishes (family Microdesmidae) occur in marine tropical waters. The body is very elongate to eel-like with small, embedded scales. The lower jaw is protruding. The dorsal fin is continuous but not united with the caudal fin. Occasional individuals of Microdesmus and Gunnelichthys turn up in the aquarium trade.

Surgeonfishes (Plates 496-509)

The surgeonfishes (family Acanthuridae) are strictly marine fishes from all tropical seas. They are compressed, usually deep-bodied fishes with a continuous dorsal fin. Two subfamilies are currently recognized. The Acanthurinae contains all the species in the family save one. They are normally characterized by one or more spines or scalpel-like blades along the caudal peduncle that gave rise to their common name. Most species are found in reef habitats where they form aggregations browsing on the surface of the corals, substrate, or whatever. Many species are quite colorful, and several species are commonly found in the aquarium trade. Species of Acanthurus, Paracanthurus, and Zebrasoma are popular members of the disc-shaped group, while some species of Naso with their protuberances on the frontal region are also popular. The second subfamily, Zanclinae, the Moorish Idol, has commonly been regarded as a separate family (and many ichthyologists still regard the single species included—Zanclus canescens — as such). This species not only has an attractive color pattern but a pleasing shape as well and frequently has been used (along with the seahorse) as a decorative motif.

Rabbitfishes (Plates 510-513)

The rabbitfishes (family Siganidae) are marine fishes from the Indo-Pacific region. The body is compressed and generally oval in shape. The dorsal fin is continuous and provided with 13 strong spines and ten soft rays; the anal fin has seven spines and nine soft rays, and the pelvic fins each have two spines (very unusual) and three soft rays. All the spines are grooved and associated with venom glands so that stab wounds are very painful and slow to heal. Of the two genera, Lo provides the aquarium trade with just about as many species as Siganus even though it is a much smaller genus.

Tunas, Mackerels, Billfishes, and Their Relatives (Plates 514-517)

Seven families make up the suborder Scombroidei, which includes some of the world's fastest swimming fishes. Most are pelagic species, and some are found in deep oceanic waters. Altogether there are about 100 species included in 45 genera. None of the species are regularly in the aquarium trade, although many are seen in public aquariums in the larger tanks.

The snake mackerels (family Gempylidae) are tropical to temperate marine fishes often found at depths to 2,000 feet or more. The body is elongate and compressed, and the dorsal and anal fins are usually followed by isolated finlets. A forked caudal fin is present, but the pelvics are reduced or absent. Strong teeth are usually present in the jaws. About 22 species comprise this family.

The cutlassfishes (family Trichiuridae) also have a very elongate, very compressed body. The caudal fin may be small or absent and the pelvic fins are reduced. No finlets are present. The jaws are usually provided with fang-like teeth. About 17 species are included in this family. Cutlassfishes are good swimmers that usually stay near the bottom.

The largest family by far is the Scombridae, which includes the mackerels and tunas. About fifteen genera contain about 50 species. These streamlined fishes have two dorsal fins and detached finlets behind both the dorsal and anal fins. The caudal peduncle is tapering and is provided with two keels. The tunas and mackerels are fast swimming fishes that are highly regarded as food and sport fishes around the world. They are mainly schooling fishes of the open seas. Most are bluish to greenish on the back shading to silvery or white ventrally, making them very difficult to see.

The Swordfish (Xiphias gladius, family Xiphiidae) has the premaxillae and nasal bones prolonged to form the "sword." The pelvic fins and girdle are absent, and there is a single median keel on the peduncle of adults. The dorsal fin is short-based but high, and there is a single finlet posteriorly above and below on the caudal peduncle. Scales and jaw teeth are absent.

The billfishes (family Istiophoridae) are similar in aspect to the Swordfish but have scales and jaw teeth as well as pelvic fins. The caudal peduncle has two keels on each side. The dorsal fin is long-based and in the sailfishes is sail-shaped and higher than the body depth. In the spearfishes it is not sail-like and is about as high as the body depth while, in the marlins it is not sail-like and is not so high as the body depth. All these fishes are big-game fishes of sportsmen, their fighting abilities legendary.

Driftfishes, Butterfishes, and Medusafishes (Plate 518)

Medusafishes (family Centrolophidae) are marine fishes of tropical and temperate seas. The dorsal fin is continuous, the spines weakly developed and graduating into the soft rays or stout and noticeably shorter than the soft rays. Seven genera are included with about 22 species.

The driftfishes (family Nomeidae) are marine fishes of tropical and subtropical seas. There are two dorsal fins and well developed pelvic fins. Most notable of the 15 species of this family is the small brightly colored Man-o'-war Fish (Nomeus gronovii), which can be seen swimming unharmed among the stinging tentacles of the jellyfish-like Man-o'-war (Physalia). Attempts to keep both the fish and the invertebrate in aquaria have usually met with failure.

The butterfishes (family Stromateidae) are marine coastal fishes of North and South America, western Africa, and southern Asia. The dorsal fin is continuous, usually taller anteriorly, and the body is deep and compressed. Adults lack pelvic fins. Only three genera with about a dozen species are included in this family. These schooling fishes are good eating and larger ones are harvested commercially.

Flatfishes (Plates 519-525)

The six families of flatfishes are included in the order Pleuronectiformes. All of these fishes are quite distinctive in that the eyes both migrate to one side of the head and only that side becomes fully pigmented. The fishes lie on their uncolored side on the bottom substrate, usually nearly invisible by virtue of their coloration and pattern (which can be modi-

fied within limits) and because they partially cover themselves with the substrate. The pelagic larvae are bilaterally symmetrical and colorless. One eye (which one depends upon the species involved) migrates toward the one on the opposite side by either going around the edge of the fish or in some cases passing through it. As this is happening the colors start to become evident on one side and the fish takes up a bottom-living existence. Most flatfishes are carnivorous, their camouflage hiding them from potential prey animals. Many species are commercially valuable, for example the halibuts that may attain lengths of up to 3 m. The flatfishes include such well known fishes as the flounders, soles, halibuts, plaice, and tonguefishes.

The family Psettodidae is a small family of only one genus with two species from the Indo-Pacific and West Africa. The eyes may be either sinistral (left-sided) or dextral (right-sided). The pelvic fins are symmetrical, and the mouth is large. This family is by itself in a suborder because the dorsal fin does not extend onto the head, the anterior dorsal rays are spinous, and the palatine is toothed. The pelvic fins are nearly symmetrical and are each provided

with a spine and five soft rays.

In the suborder Pleuronectoidei the dorsal fin extends onto the head at least to the eyes, the dorsal and anal fins are without spines, and the palatine is toothless. Three families, Citharidae, Bothidae, and Pleuronectidae, are included.

The Citharidae is a small family of five species included in four genera occurring in the Indo-West Pacific and the Mediterranean. The pelvic fins have a spine and five soft rays and their bases are short; the branchiostegal membranes are separated from each other. In one

subfamily the eyes are sinistral while in the other they are dextral.

The lefteye flounders (family Bothidae) occur in the Atlantic, Pacific, and Indian Oceans. The eyes are sinistral and the pelvic fins are spineless. The eggs have a single oil globule in the yolk. The family is relatively large, with 37 genera and more than 200 species. Three subfamilies are presently admitted based partly on whether the pelvic fin bases are elongate (Scophthalminae), short and nearly symmetrical (Paralichthyinae), or the blind side base is

shorter than that of the eyed side (Bothinae).

The righteye flounders (family Pleuronectidae) occur in the Arctic, Atlantic, and Pacific Oceans mostly in marine waters. No oil globule is seen in the yolk of the eggs. The 41 genera include some 100 species in four subfamilies. In the Poecilopsettinae the dorsal fin origin is above the eyes, the pelvic fins are symmetrical, and the lateral line of the blind side is rudimentary. In the Samarinae the dorsal fin origin is in front of the eyes, the pelvic fins are symmetrical, and the lateral lines are well developed or rudimentary. The Rhombosoleinae have asymmetrical pelvic fins and the lateral lines are equally developed on blind and eyed sides. The Pleuronectinae have the dorsal fin origin above the eyes, symmetrical pelvic fins, and the lateral lines well developed on both sides.

The suborder Soleoidei contains only two families (Cynoglossidae, Soleidae) where the pelvic fins are usually absent in the adults (the right one may be developed in some species),

the mouth is small, and the jaws on the blind side are strongly curved and toothed.

The tonguefishes (family Cynoglossidae) are mostly marine fishes from tropical and subtropical seas. The eyes are sinistral, the dorsal and anal fins are confluent with the pointed caudal fin, and normally only the left pelvic fin is developed. The pectoral fins are absent. The mouth is asymmetrical, and the eyes are normally very small and close together. More than 100 species are included in three genera. Two subfamilies are recognized in which the snout may be hooked (Cynoglossinae) or not (Symphurinae).

The soles (family Soleidae) are mostly marine fishes of tropical to temperate seas. The eyes are dextral. Some 117 species are included in 31 genera. Two subfamilies are recognized, the Achirinae and the Soleinae. The Achirinae are American in distribution and provide the freshwater soles of the aquarium trade. The dorsal and anal fins are free from the caudal and the right pelvic fin is joined to the anal fin. The Soleinae are mostly found from Europe to Japan and Australia. The dorsal and anal fins are free from or united with the caudal fin and the pelvic fins are free from the anal fin.

Puffers, Triggerfishes, Boxfishes, and Their Relatives (Plates 526-563)

The order Tetraodontiformes includes eight families of sometimes rather unusual fishes. The scales are often modified into spines, plates, or shields, and the gill openings are restricted. Most species are able to produce sounds by use of the swim bladder or by grinding their jaws or pharyngeal teeth. Tetraodontiforms (sometimes also called plectognaths) are divided into eight families that include more than 300 species.

The spikefishes (family Triacanthodidae) are deep-water benthic fishes from the tropical and subtropical western Atlantic and Indo-Pacific regions. They have a relatively normal

dorsal fin divided into spines and soft rays, and the caudal fin is rounded to truncate.

The very similar triplespines (family Triacanthidae) are more shallow-water benthic fishes from the Indo-Pacific. They are readily distinguished from the species of the previous family by their forked caudal fin and higher number of dorsal and anal fin rays. There are only about 20 species of spikefishes and seven species of triplespines. Only one or two species are occasionally seen in the marine aquarium trade.

The leatherjackets (including the triggerfishes and filefishes) are members of the family Balistidae. These are marine fishes found around the world in tropical and subtropical waters. The body is coverd with heavy scales giving them a leathery or very rough texture. The pelvic fins are absent and the first dorsal fin is provided with a trigger or locking mechanism. The upper jaw has two rows of protruding incisor-like teeth that can be formidable weapons in some species. The soft dorsal and anal fins are usually long-based. The 135 species are generally included in 42 genera. Two subfamilies (often regarded as separate families) are currently recognized. The triggerfishes (subfamily Balistinae) have three dorsal fin spines, plate-like scales in regular series, and all soft fins with branched rays. The jaw teeth are heavy and strong, more developed for crushing than for nibbling. Many aquarium fishes are found in this subfamily including perhaps the most prized marine species of all — the Clown Triggerfish (Balistoides conspicillum). The filefishes (subfamily Monacanthinae) usually have only two dorsal spines, the second very small or even absent. The scales are small and in regular series but rough, giving the skin a prickly or furry feel. The soft dorsal, anal, and pectoral rays are all unbranched. The teeth in the jaws (three outer and two inner as compared with the four outer and three inner of the triggerfishes) are more developed for nibbling than for crushing. Many species of this subfamily have also found their way into the aquarium trade. One of the favorites is the Long-nosed Filefish, Oxymonacanthus longirostris, with its orange spots on a bluish to greenish background.

The boxfishes (including the trunkfishes and cowfishes) belong to the family Ostraciidae. These are marine fishes from the tropical oceans of the world. The body is enclosed in a bony carapace that is commonly box-shaped but may be very angular and provided with sharp edges and long spines. There is no spinous dorsal fin. The fins stick out from openings in the carapace to provide the meager propulsion for these fishes. Some species are so slow they can be easily caught by hand. Some species are dangerous in marine tanks, for when they are upset they exude a toxic substance that can kill any living thing in the tank including themselves. Even so several species have become standard importations for home aquaria. One of the most popular is Ostracion cubicus, which, when young, is bright yellow with black spots.

The Three-toothed Puffer (family Triodontidae) is called that by virtue of the three fused teeth in the jaws. There is a small spiny dorsal fin in most specimens, and the dorsal and anal fins each have 11 rays. The single species occurs in the Indo-West Pacific.

The puffers (family Tetraodontidae) are mostly marine fishes (some freshwater species are known in the aquarium trade) of tropical and subtropical waters of the world. The body is without scales or with some prickles in the belly area. There are four fused teeth in the jaws. Some species of puffers produce toxic substances that are dangerous if eaten. Instances of death caused by improperly prepared puffers are reported each year in Japan, where they regularly are eaten. The puffers have the ability to inflate themselves (with water or air depending on where they are) into a balloon-like shape when disturbed, a defense mechanism apparently helping to prevent them from being eaten. When left to their own devices they eventually return to their previous shape and beat a hasty retreat. Most of the aquarium puffers come from the genus Canthigaster. Several of these sharpnose puffers may be seen in any well stocked marine aquarium store.

The porcupinefishes (family Diodontidae) are also distributed worldwide in tropical seas. No freshwater or brackish water species are known. They are similar to the puffers but the body is covered with well developed spines. In some species the spines are permanently erected, in other they become erect only when the fish is inflated. There are two fused teeth in the jaws. Porcupinefishes are not as popular as the puffers but may occasionally be seen in dealers' tanks.

Finally, the molas (family Molidae) are marine tropical and subtropical fishes from around the world. They are sometimes called headfish as they seem to be composed almost entirely of a very large head. There is no swim bladder, no pelvic fins, no caudal peduncle, and the caudal fin may be absent as well. There are two fused teeth in the jaws. The dorsal and anal fins are set well back and provide the locomotory thrust. The young swim upright like most fishes, but the giant adults are more apt to spend their time floating or feebly swimming on their side. The largest species, *Mola mola*, may grow to 3 m and 270 kilos. It is also very fecund, producing up to 300 million eggs.

3rd Edition Supplemental Index

This index contains only those entries referrable to the species added to the Second Edition to make this current edition, the Third Edition. As in the main index immediately following, entries are listed by both common and scientific names, with scientific names listed under both generic and specific names.

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